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ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985

VOLUME 2, WORLD GOL MODEL SUPPLY-DISTRIBUTION AND RELATED TABLES

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ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985, VOLUME 2, WORLD GOL MODEL SUPPLY-DISTRIBUTION AND RELATED TABLES. By Anthony Rojko, Patrick O'Brien, Donald Regier, Arthur Coffing, and Linda Bailey; Foreign Demand and Competition Division; Economics, Statistics, and Cooperatives Service; U.S. Department of Agriculture. Foreign Agricultural Economic Report No. 149.

ABSTRACT

Detailed supply-distribution tables from the world grain-oilseeds-livestock (GOL) projections model are presented. The projections to 1985 rest on a number of alternative assumptions about world economic growth, trade, and food policy conditions.

Under most of the alternatives tested, the world has sufficient capacity--whether measured in terms of physical potential or economic feasibility--to meet the grain and overall food needs of an expanding, more affluent population at real prices somewhat above base 1970 levels but below 1972-75 highs. However, the projections indicate that regional food distribution problems are likely to persist. Moreover, the alternative assuming lower grain yields and deteriorating climate and weather suggests the possibility of serious pressures on resources and higher prices for grain imports by developing countries.

As a whole, the developing countries' grain imports are projected to increase faster than imports in the rest of the world; 1985 imports are projected to range from 49 million tons under the alternative assuming a continuation of present agricultural and trade policies, to 71 million tons under the high import demand alternative. Recent import levels have been 30-35 million tons. Rising demand for meat and livestock products is projected under all alternatives. Growth in the commercial sectors of the world meat economy ranges from one-third to one-half above 1970 base levels.

Key words: Projections, agriculture, world food problems, economic model, grains, oilseeds, livestock products, trade.

FOREWORD

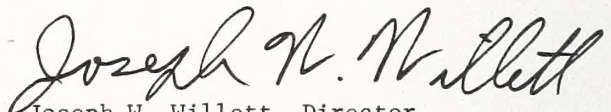
The Economics, Statistics, and Cooperatives Service (ESCS) is working on a continuing basis on projections of changes in world export markets, population, income, and resource and environmental constraints and of their impact on the U.S. agricultural sector. The affected U.S. variables include production, consumption, trade, prices, farm costs, and farm incomes.

Major components of the projections program are world, regional and country projections of production, demand, trade, and prices of major commodities important in agricultural trade. These projections are useful in evaluating the broad issues of future world food prospects.

The world projections are made within the framework of a mathematical world grain-oilseeds-livestock (GOL) model. The model is designed to capture the main economic relationships of the three groups of commodities and to test the impact of different economic and policy assumptions on projected quantities and values.

Projections of U.S. agricultural exports generated by the GOL model are not official ESCS projections of U.S. trade in agricultural commodities. Rather, they are presented to aid users in evaluating the impact of different assumptions on world trade.

Results of the GOL model are being presented in this volume in the form of principal model input and output tables. Together with the other GOL volumes, this volume provides the model documentation. The GOL model is one analytical tool used along with other ESCS computer programmed mathematical models for analyzing future food and agricultural trade prospects.



Joseph W. Willett, Director
Foreign Demand and Competition Division
Economics, Statistics, and Cooperatives
Service

PREFACE

This study reports on one phase of an ongoing research effort aimed at generating and maintaining up-to-date price, production, consumption, and trade projections for agricultural commodities in the major countries and regions of the world. This study assesses alternative world food prospects through the use of a mathematical model of the world's grain-oilseeds-livestock economies (GOL model).

The study is being published in several volumes. Volume 1 is the analytical report, which summarizes the GOL projections to 1985. Volume 2, the present report, contains detailed country and regional supply-distribution tables and related price and growth rate tables. Volume 3 will describe and present the mathematical equations used in the GOL model. Volume 4 will be a users' manual. Volume 2 is expected to be updated periodically to maintain a current set of alternative projections.

The research effort requires substantial ongoing teamwork from members of the Commodities Program Area working with others in the Foreign Demand and Competition Division of the Economics, Statistics, and Cooperatives Service (ESCS). Others in ESCS working in econometric model development have also participated. Under the overall direction of Anthony S. Rojko, significant inputs have been made by Donald Regier (livestock and derived feed), Patrick O'Brien (grains), Arthur Coffing (oilseeds), Robert Barry (rice), Myles Mielke (dairy), and Linda Bailey. Several people have helped to develop the computer programs, beginning with Francis Urban in the early stages, Hilarius Fuchs during the main development stage, and Fenton Sands and Martin Schwartz in the later stages. The contribution of Angela Wray in editing the materials in this volume is also acknowledged.

While it is impossible to cite all the individuals in FDCD who contributed, special recognition is given to Wayne Denny, Gene Hasha, John Link, and John Parker for their contribution to the productivity aspects of the developing world. Recognition is also acknowledged to James B. Johnson, Leroy Quance, and Allen Smith for their contribution to the U.S. sector.

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DESCRIPTION OF DATA AND COMPUTER RUNS

The world grain-oilseeds-livestock (GOL) model projects the world pattern of production, consumption, trade, stocks, and prices for the major grain, oilseed, and livestock commodities for up to 28 major countries or regions. The model is designed to quantify the impact of alternative assumptions regarding population, income growth, the projected year, policy variations, and productivity growth rates. The mathematical relationships underlying the model can also be modified to evaluate additional alternatives.

This volume contains detailed projections resulting from six alternatives of the GOL model. The assumptions and conditions which define each alternative are discussed on page 3. Following that discussion is a narrative summary highlighting the results of the projections to 1985, together with summary tables.

The detailed balances of supply and utilization for the six alternatives can be divided into four categories--grains, oilmeals, dairy products, and meats. The grain category includes wheat, coarse grains, rice, and total grains. Oilmeals include the meal fraction of nine different oilseeds (soybean, cottonseed, sunflowerseed, flaxseed, peanut, rapeseed, sesameseed, copra, and palm kernel) plus fishmeal. The dairy category consists of milk, butter, and cheese. The meats category includes beef, pork, mutton, and poultry. For alternatives I, II, and III, each detailed commodity balance is followed by a price table.

The supply-utilization balances were standardized to the extent possible for ease of computer operation. Area, where applicable, is listed in 1,000 hectares, yield in metric tons per hectare, and production, feed use, food use, total use, and trade are in 1,000 metric tons.

An additional column on the supply-utilization tables computes the world share of production for each region covered in the model. The world totals do not include production and use for the centrally planned countries, for which only international trade was projected.

Prices are shown following the individual commodity balances, and contain columns for the projected supply price, demand price, variable levy, and trade price. While the first three are expressed either in U.S. dollars or in local currency, the trade price is always on a dollar-equivalent basis. The projected prices are real prices expressed in 1970 dollars.

The price margins between regions and between commodities may appear to be less than fully consistent. This situation developed because in construction of the model, an attempt was made to use as many regularly quoted prices as possible.

Where not available, regional price data were based on export unit values. As a result, because of major quality differences among commodities, some interregional and intercommodity margins are larger or smaller than would be expected based on transportation costs alone.

Although prices are generated, the model's objective is not to forecast prices, but to indicate price pressures that are consistent with the supply-utilization levels projected under each alternative. In that context, alternatives I, II, and III define high, low, and medium levels of price pressures. It was felt these three were sufficient to give the reader insights as to the price projections of the model. Thus, price projections for alternatives I-A, IV, and IV-A are not shown.

In the cereals category, coarse grains include corn, barley, oats, rye, and sorghum. Some grains that were not included are millet, minor sorghum crops, and mixed grains. Feed demand is estimated directly from the livestock production equations. The food demand equations may also reflect small quantities of feed, since some of the minor livestock categories, such as horses and rabbits, are not covered in the livestock production equations. For those regions where a livestock sector is not modeled, feed demand is estimated directly from population and income. Though containing waste, seed, and industrial uses, estimates for food and other uses are based on population and income projections. Imports and exports are net trade projections for a country and thus abstract from temporary price margins and quality differences which permit some regions both to export and import. This is especially important within the EC-6, where intraregional trade is large.

Wheat includes all forms of wheat, including durum. Rye is included with coarse grains rather than with wheat. In the rice table and in total grain aggregates, rice data are in milled equivalent.

Total grains is simply the aggregation of the coarse grains, wheat, and rice detail as generated and used in the model. Only the yield column and the percentage of world supply are recalculated.

Oilmeal includes oilcake and meal from nine of the common oilseeds. The data also include fishmeal. The area data include only area where a response to changes in meal prices might be expected, and thus do not include area for cottonseed, tree crops, or fishmeal. One consequence of this is that yield data as shown are extremely variable. The two usage columns are not completely definitive, and some food use may be included in the feed category and vice-versa. The difference between production and total usage results because only imports are projected for the centrally planned regions.

The projections for dairy products are made to (1) estimate feed demand and (2) provide a very broad outline of the industry. Thus, coverage is limited to the developed world and even then only a minimum amount of detail is shown. The four dairy tables consist of a total milk production table and three utilization tables covering fluid milk, butter, and cheese. Trade levels are projected only for butter and cheese. Egg production is estimated only to project feed demand.

Projections for production and utilization of meats are largely limited to commercial markets. Unlike the regional aggregations for dairy, however, the production regions for meat involved include countries other than developed countries. The United States is listed as both an importer of low-quality beef and an exporter of high-quality beef. Exports of specialty meats are not considered in the model. In other regions, meats were projected only on a net trade basis.

Production and trade for all meats are on a carcass-weight basis. Total meat production, utilization, and trade are the sum of the individual tables.

In addition to the basic balances of commodity supply and utilization, other data are presented for each alternative to aid in evaluating the projections. These include a series of commodity balances which present the projections in terms of per capita levels, and growth rates for both the aggregate and the per capita projections. Also included are base and projected income (private consumption expenditure) on a per capita basis, population, and feed-to-meat conversion factors, as well as growth rates for population and income, and base 1970 data, actual and per capita.

This volume offers full geographic and commodity detail for the projections presented in volume 1 of this series. The descriptive and tabular summary material that follows is reproduced from that volume as a guide to the meaning and significance of the computer runs of projection detail comprising most of this volume. The summary material is aggregated from earlier computer runs according to projection alternative. Therefore, the projection detail in the computer runs presented here does not necessarily regenerate the numbers shown in the summary. The data in the world GOL model is being continuously updated and the model itself adjusted. Tabulations of projection detail following the summary tables are reproduced from the most recent projection runs executed with the GOL model.

The assumptions underlying the major alternative sets of projections presented here can be summarized as follows:

- Alternative I assumes a modified continuation of trends and basic agricultural and trade policies around the world. International trade is somewhat restricted by protectionist national economic policies, but not all trade-restrictive goals are met.
- Alternative I-A assumes the successful implementation of alternative I's protectionist policies in the developed countries and slowed economic growth in the developing countries.
- Alternative II assumes high income growth rates that generate substantially higher levels of world import demand.
- Alternative III quantifies the effects of generalized slowed income growth and low world import demand in conjunction with alternative I-A's restrictive trade policies.
- Alternative IV tests out the case of selectively higher productivity in the developing countries in the context of high income growth rates and strong world import demand.
- Alternative IV-A tests out the case of generalized higher productivity in the developing countries in the context of high income growth rates and strong world import demand.

In addition, several parametrics were run as aberrations to alternatives I and II to evaluate the impact of secular climatic and cyclical weather patterns on longrun yield and production levels.

SUMMARY OF PROJECTION RESULTS TO 1985

The results of the world grain-oilseeds-livestock (GOL) model presented in this report point up the strong interrelationships tying together the world's

grain, oilseed, and livestock sectors and their importance in shaping future world food balances. The mathematical model reported on in this study makes alternative projections to 1985 of production, consumption, trade, and prices of grains, oilseeds, and livestock products. Projections are also included for grain and oilseed area and yield, and for grain food and feed use. Projected values are contrasted with 1970 base period levels, as well as with 1973-75 levels.

The projections rest on a number of alternative sets of assumptions, designed to evaluate the impact of different combinations of world economic, trade, and food policy conditions. These alternative sets of assumptions trace out the impacts of a continuation of recent policies, of a shift toward high world import demand with high income and more liberalized trade, of a shift toward low import demand and more stringent trade restrictions, and of different levels of agricultural productivity in developing countries.

The alternative tracing out the effect of a continuation of recent policies around the world and the alternative assuming more liberalized trade policies and higher income growth are considered as having higher likelihoods of occurring than the alternative assuming slowed income growth and low import demand. The alternative tracing out the effects of low income growth and more restricted trade demonstrates, however, the importance of world prosperity to world trade.

All of the alternatives discussed above assume the absence of any major climate change, either favorable or unfavorable, that could change future grain and oilseed yields substantially. The 1975 drought in the Soviet Union, the 1976 drought in Western Europe, and recent weather problems in the United States have reactivated concern about the possibility of deterioration in the world's climate and its implications for future world food production. Separate computer runs were made to estimate the effect of lower grain yields on the world food supply-demand balance and resulting pressure on resource availability. Separate runs were also made to capture the effects of more frequent weather-induced crop shortfalls than occurred in the two decades prior to 1972; results of these runs were used to determine the production needed to build adequate stocks in "good" years to maintain consumption in "bad" years.

Grain

Under most of the alternatives tested, the world has sufficient capacity--whether measured in terms of physical potential or economic feasibility--to meet the grain and overall food needs of an expanding, more affluent population at real prices somewhat above base 1970 levels, but below 1972-75 highs.

However, the projections indicate that regional food distribution problems are likely to persist. Moreover, the alternative that assumes lower grain yields indicates that deteriorating climate and weather could pose serious, possibly generalized, pressures on resources and prices.

The developed countries as a group--particularly the United States, Canada, and Australia--have the capacity to increase grain production to meet projected foreign and domestic demand. Their own use of grain is forecast to increase by over a third by 1985, largely because of increased demand for products from grain-fed livestock. Foreign demand for their grain is likely to increase at least 75 percent, and possibly as high as 125 percent, as a result of both stronger feed demand in the richer importing countries and stronger food demand in the developing countries.

Under the policy continuation alternative, the exporters as a group would probably face problems of restraining production, given the assumption that the

major exporters continue to adapt their production policies to changing global supply and demand conditions. Production in the United States and Canada in particular was assumed to adjust downward so as to prevent the accumulation of large, price-dampening stocks and upward so as to take advantage of growth in world import demand--be it either long-term growth related to population and income changes, or short-term growth related to production shortfalls.

Grain deficits in the developed importing countries as a whole are forecast to increase significantly, possibly doubling by 1985 from base 1970 levels under the high import demand alternatives. Substantial growth in grain import demand is expected in Japan. Growth in Western Europe will depend considerably on the European Community's Common Agricultural Policy, and possible expansion of the Community membership or the adoption of similar policies by other European countries. Imports by Eastern Europe are expected to expand significantly, and the Soviet Union's imports are projected to be about or somewhat higher than the 6- to 8-million-ton level of the USA-USSR agreement negotiated in 1976. Under the high import situation, the Soviet Union's net grain imports exceed 11 million tons.

Grain imports of the developing countries as a whole are projected to increase appreciably faster than imports in the rest of the world; with 1985 imports ranging from 49 million tons under the policy continuation alternative to 71 million tons under the high import demand alternative. This range compares with 18 million in the 1970 base and recent levels of 30-35 million tons. Wheat comprises the bulk of the grain imported; the largest purchasers are the more affluent countries of North Africa, the Middle East, and East Asia, as opposed to the poorer countries of Central Africa and South Asia. The developing countries' 1985 imports could be as low as 34 million tons, however, under the increased productivity alternative. Boosting growth in productivity by only the .4 or .5 percent per year implied in expanded use of physical inputs and agricultural technology could well lower the developing countries imports below base 1970 levels--while keeping per capita consumption growth at roughly twice the annual trend rate of .4 percent registered in the 1960's and early 1970's.

Projected increases in grain yields to 1985 differ widely by individual grain and by region. Overall growth, however, is expected to exceed the rates of the last half decade and to approach or exceed--depending on the model alternative--the rates of the 1950's and 1960's. Growth is postulated on the assumption that developed countries expand use of existing technologies. Yield increases are also likely in the developed countries as existing but still unadopted technology spreads to the less advanced countries of the temperate zone.

The largest potential for yield increase is in coarse grains--particularly corn. However, continued emphasis in many of the developing countries on improvements in wheat and rice yields, and on allocation of the most productive resources to the production of wheat and rice, are likely to keep increases in coarse grains yields well below increases in other grains.

Livestock

Strong and rising demand for meat and livestock occurs under all alternatives. Growth in the commercial sector of the world meat economy ranges from one-third to one-half above the base period level. In no case is a decline projected in world per capita consumption of meat. It stagnates in developing countries under the effects of low income, but rises in all other alternatives.

Important considerations bear on this outlook. While meat consumption is bolstered by growth in income and population, national policies for production and trade also determine meat consumption levels and world trade patterns. Present policies imply continuation of high domestic prices and import barriers in the most important meat-consuming regions. Heavy balance-of-payments disbursements on fuel imports, feed inputs, and on finished meat imports may cause restrained meat consumption.

The commercial sector of the world meat economy holds to historical patterns in the projections. The United States and the European Community (EC) continue to be the major producing and consuming areas, with Canada, Mexico and Central America, and Other Western Europe sharing in the growth. Japan becomes a major world consumer. Argentina and Oceania remain the principal suppliers of long-distance meat to Western Europe, which continues to be a major importer as well as producer. If the EC were to lower meat import barriers, world trade would be stimulated, leading to higher levels of world production, expanded consumption even in the EC, and possibly exportation of ordinary beef by the United States (in addition to high-quality beef). Western Europe, rather than the United States, could thus measure as the world's largest meat importer.

Feed costs are projected to be higher relative to livestock product prices than they were in 1969-71. Thus, the degree of expansion in meat production will hinge on greater efficiencies in the structure of production and marketing.

The GOL model also indicates the crucial importance of developments in the feed-livestock sectors. The extent to which the developed countries expand grain-fed livestock sectors, and the developing countries build up such sectors, will be a major determinant of grain prices and hence of world food problems in 1975. With a moderate rise in consumption of grain-fed livestock products in the developed countries and a continuation of largely cereal-based human diets in the developing countries, the projections indicate that exporters would have no problem meeting both food and feed demand for grain at reasonable prices. Even if grain demand grows more rapidly as a result of modest increases in feed use in developing countries, production should be sufficient to keep real grain prices below the high 1972-74 levels.

Grain prices could be pushed up substantially, however, if income in the lower income developed countries grew rapidly and generated stronger demand for livestock products. If Japan or the poorer countries of Western Europe were to adopt U.S. grain feeding techniques, grain prices could rise substantially as food demand bids against feed demand. Strong economic growth concentrated in the developed countries and the higher income developing countries could make it difficult for the poorer developing countries to raise per capita grain consumption levels faster than .3 to .4 percent a year.

Oilseeds

Demand for oilmeals will continue to grow with increased production of livestock and livestock products. Under the policy continuation alternative, commercial demand increases 3.6 percent annually on a global basis. The increase under the high income alternatives is more rapid. To match these increases in demand, supply increases are projected under all alternatives. The largest supply changes are projected for the United States and Brazil, where soybean production continues to expand. Trade in oilmeals continues to expand rapidly, in some cases doubling the rate of production expansion. One implication is that both producers and consumers will tend to become even more dependent on world markets.

Real oilmeal prices are projected to advance significantly. Under the high import demand alternative, the rise is comparable to the increase projected for pork prices and only a little higher than the increase projected for coarse grain prices.

Because of the diversity of crops involved, it is harder to generalize with respect to yields of oilseeds and, consequently, oilseed meals. At one extreme, sunflower yields have increased rapidly in many areas of the world. At the other, soybean yields have been constant or have trended upward only slightly. Probably the greatest yield potential lies in peanut production in South Asia and West Africa. However, since soybeans account for the largest share of world meal production, and since efforts to improve yields have been largely unsuccessful, the area component will continue to account for a significant portion of the total increase in production.

Climate and Weather

To estimate the impact of possible longrun changes in climate, reductions in growth in yields of 5 to 15 percent were postulated for the major areas of the world subject to wide weather fluctuations historically. The impact under the lower income and consequently lower demand alternative is moderate; the major producers, particularly exporters, are able to expand area, thus offsetting slower growth in their own yields and slower production growth in regions where area expansion is more difficult.

However, lower grain yields combined with the higher demand alternative could pose serious problems. The major developed exporters would need to expand area considerably, but only at higher costs per unit of output and reduction of area in other crops. The higher grain prices projected could discourage some growth in the livestock industry. For example, a move to more restrictive trade policies and a return to higher levies in both meat and grains could be expected in much of Western Europe. The net effect, however, would be to increase U.S. coarse grain exports from 62 million tons under the original high demand alternative to 77 million tons given lower grain yields and high demand. The increase in U.S. exports of wheat is considerably less--from 50 million tons to 54 million tons. The assumption of the poor climate scenario would result in reduced U.S. yields in the present major wheat belt and some shift in wheat production eastward to areas with more moisture. However, this move would be limited because of competition from coarse grains and soybeans. Harvested area in the United States for total grains and soybeans could be as high as 118 million hectares. This corresponds to a record in excess of 120 million hectares harvested in the 1975/76 period. Harvested area in Canada, Australia, and Argentina by 1985 would also approach or exceed recent highs on a regular basis.

World trade in beef and pork is also affected under the poor climate scenario. This scenario assumes low demand and recourse to trade protectionist practices. An increase in variable levies in the EC and limitations in Japan would make the market for low grade beef in the United States more attractive than that in Europe. However, Argentina and Australia would not be able to take full advantage of the high world prices of meat. Beef production in the United States, under the lower yield alternative, would be expected to shift to a greater extent east of the Mississippi--accelerating a trend that has been occurring in the last two decades. The United States could be a major exporter of pork as world prices of pork would likely increase substantially more than prices of beef.

For the developing countries, imports of grain increase to 82 million tons, compared with 70 million under the higher yield assumption. This import gap could

not be met without massive food aid. Slowed production growth and high import demand, however, would be incompatible with high income growth and low agricultural productivity. Thus, a concerted effort to boost indigenous grain production probably would take place, thereby reducing the import gap.

Implications for the United States

Under each alternative, the U.S. share of world grain and oilseed exports is higher in 1985 than it was in 1961-71. The same is true for the U.S. share of world livestock product imports.

Under the policy continuation alternative, increased export availabilities in other major grain exporting countries reduce the U.S. share of the world grain market below 1972-74 highs. U.S. exports of wheat, coarse grains, and rice total 77 million tons in 1985, compared with an average of 40 million tons in 1969-71 and 73 million tons in 1974-76. The U.S. share of world grain exports is 54 percent, which compares with 45 percent in 1969-71 and as high as 60 percent in recent years.

U.S. wheat exports, projected at 34 million tons, are substantially above the 18-million-ton average of 1969-71 and the 30-million-ton average of 1972-74. Coarse grain exports, at 40 million tons, are double the 1969-71 average but marginally below the highs of 1972-74.

Under the high import demand alternative, U.S. grain exports in 1985 are 116 million tons, accounting for some 60 percent of world grain exports. Coarse grain exports increase to 62 million tons, with U.S. corn exports to livestock feeders in Western Europe accounting for about half of the increase because of the more liberalized trade policies assumed. Growth in world feed grain import demand under this alternative is almost twice the annual rate of the alternative assuming a continuation of current policies. The U.S. share of this larger market increases at the expense of the other major exporters because of greater U.S. production capacity. U.S. wheat exports increase to 50 million tons, with imports by the developing world accounting for most of the gain. The low-income developing countries account for about three-fourths of the 15-million-ton increase in wheat exports to the developing countries. These countries might find it difficult to purchase such amounts under the high import demand situation unless a greater proportion of imports are concessional than under the policy continuation assumption.

Model Format

The model's mathematical relationships are specified to capture the interaction of production, consumption, trade, and prices of grain, oilseed, and livestock products. Basic inputs include population and income growth rates, income elasticities, direct and cross demand and supply price elasticities, supply variables, and assumptions about underlying economic trends and policy constraints.

Where possible, the model incorporates resource constraints and provides for changes in trends in yield growth, as well as changes in consumer preferences, such as shifts toward livestock products or shifts out of feed grains into wheat and rice products. The model covers the world in up to 28 country or regional aggregations for grains and 14 for the commercial, trade-oriented meat economies.

SUMMARY TABLES

Table 1--Variables used in world grain-oilseeds-livestock model

Region	Wheat	Rice	Coarse grain	Oilseed meal	Milk	Cheese	Eggs	Beef cuts	Beef products	Pork	Poultry	Mutton & lamb
Developed countries:												
United States	DF PA	D PA	DF PA	F PA	D S	D S	P	D P	D P	D P	D P	D
Canada	DF PA	D	DF PA	F PA	D S	D S	P	D P	D P	D P	D P	D P
EC-6	DF PA	D PA	DF PA	F PA	D S	D S	P	D P	D P	D P	D P	D P
EC-3	DF PA	D PA	DF PA	F PA	D S	D S	P	D P	D P	D P	D P	D P
Other Western Europe	DF PA	D PA	DF PA	F PA	D S	D S	P	D P	D P	D P	D P	D P
Japan	D PA	DF PA	DF PA	DF PA	D S	D S	P	D P	D P	D P	D P	D P
Australia/New Zealand	DF PA	D PA	DF PA	F PA	D S	D S	P	D P	D P	D P	D P	D P
South Africa	D PA	D	DF PA	F S	D S	D S	P	D P	D P	D P	D P	D P
Centrally planned countries:												
Eastern Europe	T	T	T	T					T	T		
Soviet Union	T	T	T	T					T			
China	T	T	T									
Developing countries:												
Middle America	DF PA	D PA	DF PA	F PA					D P	D P		D P
Argentina	D PA	D PA	DF PA	F PA					D P	D P		D P
Brazil	D PA	D PA	DF PA	F PA					D P	D P		D P
Venezuela	D PA	D PA	DF PA	F PA					D P	D P		D P
Other South America	D PA	D PA	DF PA	F PA					D P	D P		D P
High-income North Africa & Middle East	D PA	D PA	DF PA	F					D P	D P		D P
Low-income North Africa & Middle East	D PA	D PA	DF PA	S					D P	D P		D P
East Africa	D PA	D PA	DF PA						D P	D P		D P
Central Africa	D S	D S	D S	T					D P	D P		D P
India	D PA	D PA	DF PA	F PA					D P	D P		D P
Other South Asia	D PA	D PA	D PA						D P	D P		D P
Thailand	D	D PA	DF PA						D P	D P		D P
Other Southeast Asia	D	D PA	DF S						D P	D P		D P
Indonesia	D	D PA	D PA	D PA					D P	D P		D P
High-income East Asia	D PA	D PA	DF PA	F PA					D P	D P		D P
Low-income East Asia	D	D PA	DF PA	S					D P	D P		D P
Rest of world						T			T	T		T

D = Demand, total or nonfeed
F = Derived demand for feed

P = Production
A = Area

S = Supply
T = Foreign trade, net

Table 2--Country composition of regions in the world grain-oilseeds-livestock model

Regions	Composition
I. Developed countries:	
United States	United States
Canada	Canada
EC-6	Belgium, France, West Germany, Italy, Luxembourg, Netherlands
EC-3	Denmark, Ireland, United Kingdom
Other Western Europe	Austria, Finland, Greece, Iceland, Malta, Norway, Portugal, Spain, Sweden, Switzerland
Japan	Japan
Oceania	Australia, New Zealand
South Africa	Botswana, Lesotho, Namibia, Republic of South Africa, Swaziland
II. Centrally planned countries:	
Eastern Europe	Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, Yugoslavia
Soviet Union	Soviet Union
China	People's Republic of China
III. Developing countries:	
Middle America	Mexico, Bahamas, Bermuda, Costa Rica, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, British Honduras, Jamaica, Nicaragua, Panama, Trinidad & Tobago, Other Caribbean Islands
Argentina	Argentina
Brazil	Brazil
Venezuela	Venezuela
Other South America	Bolivia, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Surinam, Uruguay

Continued--

Table 2--Country composition of regions in the world grain-oilseeds-livestock model
--Continued

High-income North Africa and Middle East	Algeria, Bahrain, Cyprus, Iran, Iraq, Israel, Kuwait, Libya, Oman, Qatar, Saudi Arabia, United Arab Emirates
Low-income North Africa and Middle East	Egypt, Jordan, Lebanon, Morocco, Sudan, Syria, Tunisia, Turkey, Yemen (Aden), Yemen (Sana)
East Africa	Kenya, Malagasy Republic, Malawi, Mozambique, Rhodesia, Tanzania, Uganda, Zambia
Central Africa	Angola, Burundi, Cameroon, Central African Empire, Chad, Congo, Ethiopia, Djibouti, Benin, Gabon, Gambia, Ghana, Guinea, Equatorial Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritana, Mauritius, Niger, Nigeria, Reunion, Rwanda, Senegal, Sierra Leone, Somalia, Togo, Upper Volta, Zaire
India	India
Other South Asia	Afghanistan, Bangladesh, Bhutan, Nepal, Pakistan, Sri Lanka
Thailand	Thailand
Other Southeast Asia	Burma, Cambodia, Laos, South Vietnam <u>1/</u>
Indonesia	Indonesia
High-income East Asia	Hong Kong, Singapore, South Korea, Taiwan, Brunei
Low-income East Asia	Malaysia, Philippine Islands
Rest of world	North Korea, North Vietnam <u>1/</u> , Mongolia, Cuba, Pacific Islands, Papua-New Guinea

1/ The model was designed before the reunification of North and South Vietnam into the People's Republic of Vietnam.

Table 3--World population and growth rates, average, 1969-71, and projected, 1985

Region	Population levels		Compound annual growth rates
	1969-71	1985	
	average	projection	
	Thousands		Percent
Developed countries:	700,346	792,22	.836
United States	204,880	228,30	.726
Canada	21,030	26,06	1.436
EC-6	188,084	205,17	.580
EC-3	63,381	67,33	.410
Other Western Europe	82,021	89,91	.615
Japan	104,330	122,43	1.073
Australia/New Zealand	15,320	19,29	1.769
South Africa	21,300	33,11	2.964
Centrally planned countries:	1,126,189	1,377,82	1.354
Eastern Europe	125,629	139,86	.700
Soviet Union	242,760	283,010	1.028
China	757,800	955,286	1.556
Developing countries:	1,734,192	2,591,070	2.680
Middle America	78,844	124,691	3.103
Argentina	24,160	29,173	1.265
Brazil	94,660	14,245	2.848
Venezuela	10,788	1,681	2.948
Other South America	61,780	9,940	2.760
High-income North Africa & Middle East:	62,752	11,018	3.225
Low-income North Africa & Middle East :	116,479	17,518	2.849
East Africa	57,534	10,027	3.030
Central Africa	179,755	70,382	2.759
India	564,810	14,420	2.470
Other South Asia	172,100	169,024	3.023
Thailand	37,160	60,458	3.298
Other Southeast Asia	56,000	79,505	2.364
Indonesia	119,720	177,000	2.641
High-income East Asia	50,280	67,154	1.948
Low-income East Asia	47,370	76,834	3.277
Rest of world	46,740	(66,964)	(2.426)
World	3,607,467	(4,828,045)	(1.9454)

Table 4--World per capita private consumption expenditures and growth rates, average, 1969-71 and projected, 1985

Region	Private consumption expenditures per capita			Compound annual growth rates
	1969-71 average		1985 Alt. I projection	
	- - U.S. dollars - -			
				Percent
Developed countries:	1,747	2,803		3.202
United States	3,026	4,660		2.921
Canada	2,237	3,490		3.009
EC-6	1,463	2,368		3.263
EC-3	1,374	1,846		1.989
Other Western Europe	1,008	1,858		4.161
Japan	966	2,142		5.452
Australia/New Zealand	1,596	2,455		2.913
South Africa	502	715		2.385
Centrally planned countries:	439	792		4.010
Eastern Europe	1,024	1,988		4.521
Soviet Union	1,202	2,422		4.782
China	113	161		2.388
Developing countries:	155	251		3.255
Middle America	449	696		2.964
Argentina	724	1,149		3.125
Brazil	268	633		5.893
Venezuela	535	796		2.687
Other South America	311	414		1.925
High-income North Africa & Middle East	261	614		5.864
Low-income North Africa & Middle East	188	306		3.301
East Africa	117	148		1.579
Central Africa	96	133		2.220
India	73	89		1.364
Other South Asia	95	101		.409
Thailand	130	248		4.392
Other Southeast Asia	83	99		1.182
Indonesia	79	114		2.500
High-income East Asia	255	578		5.607
Low-income East Asia	241	251		.271
Rest of world	181	232		1.669
World	560	834		2.691

Table 5--World per capita private consumption expenditures and growth rates, by alternative, average, 1969-71, and projected, 1985

Region	1969-71 Base	1985 projection under alternative				
		I	I-A	II	III	IV & IV-A
		Real 1970 U.S. dollars				
World	560	834	814	915	730	915
Developed countries	1,747	2,803	2,803	3,075	2,553	3,075
Centrally planned countries	439	792	792	792	652	792
Developing countries	155	251	214	317	214	317
		Compound annual growth rates, percent 1/				
World	2.7	2.7	2.5	3.3	1.8	3.3
Developed countries	3.3	3.2	3.2	3.8	2.6	3.8
Centrally planned countries	3.6	4.0	4.0	4.0	2.7	4.0
Developing countries	2.0	3.3	2.2	4.9	2.2	4.9

1/ Growth rates under 1969/70-1971/72 base are computed from 1960 to 1970. Growth rates for 1985 are computed from base 1970.

Table 6--Currency and exchange rate specifications 1/

Region	:	Currency and exchange rates
	:	
Developed countries:	:	
United States	:	U.S. dollar
Canada	:	1 Canadian dollar = 1 dollar equivalent
European Community	:	1 unit of account = 1 dollar equivalent
Other Western Europe	:	Dollar equivalent
Japan	:	357.600 yen = 1 dollar equivalent
Australia/New Zealand	:	.897 Australian dollar = 1 dollar equivalent
South Africa	:	Dollar equivalent
	:	
Centrally planned countries::	:	
Eastern Europe	:	Dollar equivalent
Soviet Union	:	Dollar equivalent
People's Republic of China:	:	Dollar equivalent
	:	
Developing countries:	:	
Argentina	:	3.75 new peso = 1 dollar equivalent
Others	:	Dollar equivalent
	:	

1/ Exchange rates as of July 1972. Dollar equivalent = 1 U.S. dollar.

Table 7--World meat production, consumption, and net exports, and growth rates, average, 1969-71, and projected, 1985

Region	1969-71	1985			
		I	II	III	IV
		<u>1,000 metric tons</u>			
Developed countries: <u>1/</u>					
Production	46,617	66,379	68,340	63,426	69,562
Consumption	47,293	65,940	68,011	62,513	68,793
Net exports	-818	15	-93	534	218
Developing countries: <u>2/</u>					
Production	6,531	10,414	11,292	9,660	11,196
Consumption	5,562	9,808	10,618	9,566	10,886
Net exports	966	596	663	84	300
Total listed:					
Production	53,148	76,793	79,661	73,086	80,758
Consumption	52,855	75,748	78,629	72,079	79,679
Net exports	148	611	570	618	518
		<u>Compound annual growth rates, percent</u>			
Developed countries: <u>1/</u>					
Production		2.4	2.6	2.1	2.7
Consumption		2.2	2.5	1.9	2.5
Developing countries: <u>2/</u>					
Production		3.2	3.7	2.6	3.7
Consumption		3.9	4.4	3.7	4.6
Total listed:					
Production		2.5	2.7	2.1	2.8
Consumption		2.4	2.7	2.1	2.8

1/ Excludes South Africa.

2/ Includes Middle America, Brazil, and Argentina.

Table 8--World per capita meat production, consumption, and net exports, and growth rates, average, 1969-71, and projected, 1985

Region	1969-71 average	1985			
		I	II	III	IV
<u>Kilograms</u>					
Developed countries: <u>1/</u>					
Production	66.6	83.8	86.3	80.1	87.8
Consumption	67.5	83.2	85.8	78.9	86.8
Net exports	-1.2	---	-.1	.7	.3
Developing countries: <u>2/</u>					
Production	33.0	34.9	37.8	32.4	37.6
Consumption	28.1	32.9	35.6	32.1	36.5
Net exports	4.9	2.0	2.2	.3	1.0
Total listed:					
Production	59.2	70.4	73.1	67.0	74.1
Consumption	58.9	69.5	72.1	66.1	73.1
Net exports	.2	.6	.5	.6	.5
<u>Compound annual growth rates, percent</u>					
Developed countries: <u>1/</u>					
Production		1.5	1.7	1.2	1.9
Consumption		1.4	1.6	1.0	1.7
Developing countries: <u>2/</u>					
Production		.4	.9	-.1	.9
Consumption		1.1	1.6	.9	1.8
Total listed:					
Production		1.2	1.4	.8	1.5
Consumption		1.1	1.4	.8	1.5

1/ Excludes South Africa.

2/ Includes Middle America, Brazil, and Argentina.

Table 9--World grain production, consumption, and net trade, and growth rates, recent averages, and projected, 1985

Region	1969/70- 71/72	1973/74- 75/76	1985			
			I	II	III	IV
			<u>Million metric tons</u>			
World:						
Production	1,082.1	1,184.1	1,569.8	1,642.0	1,507.6	1,652.2
Consumption	1,080.7	1,185.3	1,569.8	1,642.0	1,504.4	1,649.1
Trade	---	---	---	---	---	---
Developed countries:						
Production	401.7	438.9	559.7	618.5	505.3	588.2
Consumption	374.3	381.7	491.3	520.2	453.2	527.9
Imports	38.1	68.3	48.7	64.1	37.2	70.8
Exports	70.3	130.3	117.2	162.5	89.3	131.2
Net exports	32.2	62.0	68.4	98.5	52.1	60.4
Centrally planned countries:						
Production	401.1	443.6	578.0	578.0	578.0	578.0
Consumption	406.6	469.1	597.4	605.8	585.9	601.0
Imports	10.8	31.1	20.8	29.6	11.6	26.9
Exports	5.7	9.8	1.4	1.8	3.7	3.9
Net imports	5.1	21.3	19.4	27.8	7.9	23.0
Developing countries:						
Production	279.3	301.6	432.1	445.4	424.3	486.0
Consumption	299.7	334.5	481.0	516.0	465.3	520.1
Imports	31.7	52.0	73.7	98.8	64.8	65.8
Exports	13.7	17.4	24.8	28.3	23.8	31.6
Net imports	18.0	34.2	48.9	70.6	41.0	34.2
			<u>Compound annual growth rates, percent 1/</u>			
World:						
Production		2.8	2.5	2.8	2.2	2.9
Consumption		2.8	2.5	2.8	2.2	2.9
Developed countries:						
Production		2.6	2.2	2.9	1.5	2.6
Consumption		2.0	1.8	2.2	1.3	2.3
Centrally planned countries:						
Production		3.2	2.5	2.5	2.5	2.5
Consumption		3.5	2.6	2.7	2.5	2.6
Developing countries:						
Production		2.6	3.0	3.2	2.8	3.8
Consumption		2.9	3.2	3.7	3.0	3.7

1/ Growth rates under 1973/74-75/76 are historical rates based on the period 1960/61-1975/76. Growth rates for 1985 are computed from base 1970.

Table 10--World per capita grain production, consumption, and net trade, and growth rates, recent averages, and projected, 1985

Region	1969/70- 71/72	1973/74- 75/76	1985			
			I	II	III	IV
			<u>Kilograms</u>			
World:						
Production	299.3	303.8	325.3	340.2	312.4	342.3
Consumption	298.9	304.1	325.3	340.2	311.7	341.7
Trade	---	---	---	---	---	---
Developed countries:						
Production	571.0	599.6	702.2	776.1	633.9	738.0
Consumption	532.0	521.5	616.4	652.7	568.6	662.3
Imports	54.1	93.3	61.1	80.3	46.6	88.8
Exports	99.8	178.0	146.9	203.9	112.0	164.6
Net exports	45.7	84.7	85.8	123.5	65.4	75.7
Centrally planned countries:						
Production	355.4	371.5	418.8	418.8	418.8	418.8
Consumption	360.5	392.8	432.8	438.9	424.5	435.4
Imports	9.6	26.0	15.0	21.4	8.3	19.4
Exports	5.0	8.2	1.0	1.3	2.6	2.8
Net imports	4.5	17.8	14.0	20.1	5.7	16.6
Developing countries:						
Production	160.8	152.9	167.3	172.5	164.3	188.2
Consumption	172.5	169.6	186.2	199.8	180.1	201.4
Imports	18.2	26.3	28.5	38.2	25.1	25.4
Exports	7.9	8.8	9.5	10.9	9.2	12.2
Net imports	10.3	17.3	18.9	27.3	15.8	13.2
			<u>Compound annual growth rates, percent 1/</u>			
World:						
Production		1.0	.6	.9	.3	.9
Consumption		1.0	.6	.9	.3	.9
Developed countries:						
Production		1.6	1.4	2.1	.7	1.7
Consumption		1.1	1.0	1.4	.4	1.5
Centrally planned countries:						
Production		1.7	1.1	1.1	1.1	1.1
Consumption		2.0	1.2	1.3	1.1	1.3
Developing countries:						
Production		.2	.5	.5	.1	1.1
Consumption		.5	.5	1.0	.3	1.0

1/ Growth rates under 1973/74-75/76 are historical rates based on the period 1960/61-1975/76. Growth rates for 1985 are computed from base 1970.

Table 11--World total and per capita consumption of grain and oilmeal and production of meat, 1970, and projected, 1985

Total and per capita	Total grains	Food grains		Feed grains		Oilmeals			Meat		
		DC	LD	DC	LD	Total	DC	LC	Total	DC	LD
		<u>Million metric tons</u>									
Total:											
1970	Base	121	270	253	29	42	36	6	70	50	20
1985	I	134	427	359	51	71	60	11	(100)	66	(34)
	I-A	132	416	349	49	73	62	11	(99)	66	(33)
	II	1,034	454	390	58	75	64	11	(103)	68	(35)
	III	918	417	319	48	66	55	11	(96)	63	(32)
	IV	1,048	461	393	59	73	62	11	(105)	70	(35)
	IV-A	1,056	466	394	60	73	62	11	(105)	70	(35)
Per capita:											
1970	Base	172.8	155.7	361.3	16.7	19.3	51.4	3.5	28.7	71.4	11.5
1985	I	169.1	164.8	453.2	19.7	21.0	75.7	4.2	(29.6)	83.3	(13.1)
	I-A	166.6	160.6	440.5	18.9	21.6	78.3	4.2	(29.3)	83.3	(12.7)
	II	305.6	175.2	492.3	22.4	22.2	80.8	4.2	(30.4)	85.8	(13.5)
	III	271.3	160.9	402.7	18.5	19.5	69.4	4.2	(28.4)	79.5	(12.4)
	IV	309.8	170.4	496.1	22.8	21.6	78.3	4.2	(31.0)	88.4	(13.5)
	IV-A	312.1	170.4	497.3	23.2	21.6	78.3	4.2	(31.0)	88.4	(13.5)

Table 13--Price ratios of selected products, recent averages, and projected, 1985

Region and price ratio	1969/70-71/72 base	1973/74-75/76 average	1985 alternatives	
			I	II
United States:				
Beef cattle-corn:	12.74	9.20	13.84	15.10
Pork-corn :	8.91	8.68	9.40	10.48
Poultry-corn :	12.00	8.81	12.82	13.24
Milk-corn :	2.39	1.70	2.10	1.95
Beef cattle-milk:	5.33	5.42	6.59	7.73
Pork-milk :	3.72	5.12	4.48	5.36
Beef cattle-pork:	1.43	1.06	1.47	1.44
Canada:				
Beef cattle-corn:	12.83	10.47	13.92	15.16
Pork-corn :	13.06	12.28	13.81	15.47
Poultry-corn :	8.34	7.54	8.68	9.68
Milk-corn :	2.28	2.14	2.10	1.92
Beef cattle-milk:	5.63	4.90	6.63	7.88
Pork-milk :	5.73	5.75	6.58	8.05
Beef cattle-pork:	.98	.85	1.01	.98
Oceania:				
Beef cattle-corn:	17.79	7.98	18.77	19.41
Pork-corn :	16.45	13.70	24.90	23.39
Poultry-corn :	---	---	---	---
Milk-corn :	1.23	1.15	1.29	1.66
Beef cattle-milk:	14.48	6.94	14.54	11.72
Pork-milk :	13.39	11.91	19.29	14.12
Beef cattle-pork:	1.08	.58	.75	.83
EC-6:				
Beef cattle-corn:	8.47	9.48	9.24	9.65
Pork-corn :	8.20	8.32	9.10	9.70
Poultry-corn :	5.33	5.23	5.91	6.90
Milk-corn :	1.12	1.09	1.18	1.23
Beef cattle-milk:	7.55	8.69	7.86	7.86
Pork-milk :	7.32	7.66	7.74	7.90
Beef cattle-pork:	1.03	1.13	1.02	.99
EC-3:				
Beef cattle-corn:	13.77	15.03	15.01	15.74
Pork-corn :	13.66	16.15	10.95	11.73
Poultry-corn :	9.15	9.53	8.22	9.60
Milk-corn :	1.55	1.39	1.18	1.23

Continued--

Table 13--Price ratios of selected products, recent averages, and projected,
1985--Continued

Region and price ratio	1969/70-71/72 base	1973/74-75/76 average	1985 alternatives	
			I	II
EC-3--Continued:				
Beef cattle-milk	8.87	10.80	12.77	12.81
Pork-milk	8.80	11.61	9.31	9.55
Beef cattle-pork	1.01	.93	1.37	1.34
Japan:				
Beef cattle-corn	16.99	18.51	17.24	16.21
Pork-corn	10.62	8.65	10.14	10.10
Poultry-corn	7.64	5.94	8.49	11.80
Milk-corn	1.92	1.74	1.79	1.94
Beef cattle-milk	8.84	10.66	9.61	8.35
Pork-milk	5.53	4.98	5.65	5.20
Beef cattle-pork	1.60	2.14	1.70	1.61

Table 14--World grain and meat trade prices relative to coarse grain prices, 1970, and projected, 1985

Year	Wheat	Oilmeal	Beef I	Beef II	Pork	Wheat	Oilmeal	Beef I	Beef II	Pork
	<u>Ratio</u>					<u>Index</u>				
1970 base	1.03	1.72	22.6	18.2	27.4	100	100	100	100	100
1985:										
I	1.04	1.83	24.0	19.9	28.3	101	106	106	109	103
I-A	1.02	1.87	23.4	19.3	27.7	99	109	104	106	101
II	1.09	1.94	25.5	21.9	30.2	106	113	113	120	110
III	1.04	1.77	20.8	16.4	24.2	101	103	92	90	88
IV	1.05	1.87	27.1	23.2	31.5	102	109	120	127	115

Table 15--Production and consumption of total grains, developing countries, recent averages, and projected, 1985

Region	1969/70-71/72				1973/74-75/76				1985			
	base								III		IV	
	Pro- : duction	Con- : sumption	Pro- : duction	Con- : sumption	Pro- : duction	Con- : sumption	Pro- : duction	Con- : sumption	Pro- : duction	Con- : sumption	Pro- : duction	Con- : sumption
	Million metric tons											
Latin America:												
Middle America	63.8	61.2	70.2	69.8	101.8	101.6	107.6	108.0	98.3	96.6	116.6	124.7
Argentina	15.7	16.9	16.2	20.2	24.3	28.7	25.1	29.6	23.9	28.1	28.6	29.8
Brazil	19.2	10.8	21.2	12.1	27.6	12.8	29.4	12.9	26.0	12.5	28.5	13.1
Venezuela	21.1	22.6	24.4	24.9	38.5	41.6	41.6	46.2	37.1	38.6	45.9	50.6
Other South America	8	1.9	8	2.1	1.2	3.4	1.2	3.6	1.2	3.1	1.7	3.4
	6.9	9.0	7.6	10.5	10.1	15.1	10.3	15.7	10.1	14.3	11.9	15.0
Africa and West Asia:												
High-income North Africa/Middle East	52.2	64.0	57.5	72.6	75.7	104.4	77.5	108.6	74.8	101.7	85.7	107.6
Low-income North Africa/Middle East	9.8	14.2	9.8	16.3	15.0	27.9	15.3	30.7	14.8	26.2	18.8	30.9
Central Africa	29.0	35.3	31.8	38.6	42.7	53.5	43.4	54.7	42.3	52.7	47.8	52.9
East Africa	6.4	7.4	7.8	9.4	8.6	11.2	8.7	11.3	8.5	11.2	8.5	11.8
	7.0	7.1	8.1	8.3	9.5	11.8	10.1	11.9	9.2	11.7	10.6	12.0
Other Developing Asia:												
India	163.2	174.5	174.2	190.3	254.6	275.0	260.4	299.4	251.2	267.0	283.7	310.8
Other South Asia	87.0	91.0	93.3	90.4	135.8	140.5	137.2	154.2	134.9	136.9	154.1	164.3
Thailand	23.7	25.9	32.3	35.3	37.0	40.5	37.3	46.2	36.8	40.1	41.6	48.6
Other Southeast Asia	10.8	7.6	12.6	9.1	18.1	13.1	19.5	13.5	17.3	12.9	18.5	13.7
Indonesia	11.9	11.7	12.0	12.4	19.0	17.5	19.8	17.5	18.5	17.4	19.5	17.9
High-income East Asia	14.6	15.5	17.9	19.6	23.2	29.1	24.3	32.3	22.5	25.7	25.1	29.8
Low-income East Asia	8.7	14.6	8.5	14.5	9.5	21.2	9.6	22.1	9.4	20.6	11.2	22.4
	6.5	8.2	7.6	9.0	12.1	13.2	12.8	13.6	11.7	13.2	13.8	15.0
Developing countries total	279.3	299.7	301.9	332.7	432.1	481.0	445.4	516.0	424.3	465.3	486.0	526.0

Table 16--Compound annual growth rates for production and consumption of grain, developing countries, projected, 1985

Region	1985											
	I			II			III			IV		
	Pro- duction	Con- sumption	Pro- duction : sumption	Pro- duction	Con- sumption	Pro- duction : sumption	Pro- duction	Con- sumption	Pro- duction : sumption	Pro- duction	Con- sumption	Pro- duction : sumption
	Percent											
Latin America	3.2	3.4	3.6	3.9	3.9	2.9	3.1	3.1	4.1	3.8	4.6	3.9
Middle America	3.0	3.6	3.2	3.8	3.8	2.8	3.5	3.5	4.1	3.8	4.6	3.9
Argentina	2.5	1.1	2.9	1.2	1.2	2.0	1.0	1.0	2.7	1.2	2.5	1.3
Brazil	4.1	4.2	4.6	4.9	4.9	3.8	3.6	3.6	5.3	4.9	6.0	4.9
Venezuela	2.7	4.0	2.7	4.4	4.4	2.7	3.3	3.3	5.2	4.0	6.3	4.0
Other South America	2.6	3.5	2.7	3.8	3.8	2.6	3.1	3.1	3.7	3.5	4.5	3.5
Africa and West Asia	2.5	3.3	2.7	3.6	3.6	2.4	3.1	3.1	3.4	3.6	3.9	3.5
High-income North Africa/Middle East	2.9	4.6	3.0	5.3	5.3	2.8	4.2	4.2	4.4	5.3	5.2	5.3
Low-income North Africa/Middle East	2.6	2.8	2.7	3.0	3.0	2.6	2.7	2.7	3.4	2.8	3.9	2.7
Central Africa	2.0	2.8	2.1	2.9	2.9	1.9	2.8	2.8	1.9	3.0	1.7	3.2
East Africa	2.1	3.4	2.5	3.5	3.5	1.8	3.4	3.4	2.8	3.6	3.2	3.6
Other Developing Asia	3.0	3.1	3.2	3.7	3.7	2.9	2.9	2.9	3.8	3.8	4.2	3.9
India	3.0	2.9	3.1	3.6	3.6	3.0	2.8	2.8	3.9	3.8	4.5	4.0
Other South Asia	3.0	3.0	3.1	3.9	3.9	3.0	3.0	3.0	3.8	4.1	4.4	4.3
Thailand	3.5	3.7	4.0	3.9	3.9	3.2	3.6	3.6	3.7	4.0	3.5	4.0
Other Southeast Asia	3.2	2.7	3.5	2.7	2.7	3.0	2.7	2.7	3.4	2.8	3.3	2.9
Indonesia	3.1	4.3	3.5	5.0	5.0	2.9	3.4	3.4	3.7	4.4	3.8	4.5
High-income East Asia	0.6	2.5	0.7	2.8	2.8	0.5	2.3	2.3	1.7	2.9	2.2	2.9
Low-income East Asia	4.2	3.2	4.6	3.4	3.4	4.0	3.2	3.2	5.2	3.6	5.7	3.7
Developing countries total	3.0	3.2	3.2	3.7	3.7	2.8	3.0	3.0	3.8	3.7	4.2	3.8

Table 17--Per capita production and consumption of total grain, developing countries, recent averages, and projected, 1985

Region	1969/70-71/72				1973/74-75/76				1985			
	Pro- :duction:	Con- :sumption:	Pro- :duction:	Con- :sumption:	Pro- :duction:	Con- :sumption:	Pro- :duction:	Con- :sumption:	Pro- :duction:	Con- :sumption:	Pro- :duction:	Con- :sumption:
	Kilograms											
Latin America	236.1	226.5	232.9	231.6	249.7	249.2	263.9	264.9	241.1	236.9	286.0	263.9
Middle America	199.7	214.3	181.8	226.7	194.9	230.3	201.0	237.1	191.7	225.4	229.4	238.2
Argentina	795.6	447.9	834.5	476.3	947.6	437.3	1007.2	442.3	891.2	428.5	976.9	445.6
Brazil	222.6	238.9	230.4	235.1	267.2	288.5	288.8	320.6	257.2	267.6	318.2	322.4
Venezuela	77.0	173.0	66.0	173.3	72.4	202.6	73.3	217.0	71.9	185.8	101.9	203.8
Other South America	111.4	146.1	110.3	152.4	109.1	162.0	110.6	168.9	108.7	153.9	128.0	161.4
Africa and West Asia	125.3	153.7	123.2	155.5	118.5	163.4	121.3	170.0	117.1	159.2	134.1	169.0
High-income North Africa/Middle East	156.6	226.4	137.6	228.8	148.1	276.5	151.4	303.5	146.5	259.4	186.1	304.9
Low-income North Africa/Middle East	249.2	303.2	244.0	296.2	240.4	301.4	244.6	308.1	238.3	296.9	269.3	301.9
Central Africa	35.8	41.1	38.9	46.9	31.7	41.5	32.2	41.7	31.4	41.4	31.4	42.9
East Africa	120.9	122.6	124.9	128.0	105.4	131.1	111.8	132.5	102.2	130.0	117.7	133.3
Other Developing Asia	155.8	166.6	150.0	163.8	164.9	178.1	168.6	193.9	162.7	172.9	183.7	197.2
India	134.0	161.1	133.8	145.2	166.7	172.6	168.4	189.4	165.6	168.1	189.2	196.6
Other South Asia	137.9	150.4	166.6	182.1	137.4	150.6	138.6	171.9	136.8	149.1	154.6	176.9
Thailand	291.8	204.5	297.8	215.1	299.2	216.7	322.3	222.8	286.2	213.4	306.0	225.0
Other Southeast Asia	213.2	209.8	195.2	201.7	239.0	219.7	249.0	220.1	232.7	218.9	245.3	222.6
Indonesia	122.0	129.7	134.7	147.5	131.0	164.3	137.2	182.6	127.1	145.2	141.8	166.1
High-income East Asia	173.6	291.1	156.5	267.0	141.2	315.5	142.5	329.0	140.0	306.8	166.8	332.1
Low-income East Asia	137.6	172.1	141.0	167.0	157.6	171.4	166.3	176.6	152.3	171.8	179.6	180.9
Developing countries total	161.1	172.8	156.5	172.4	166.8	185.6	171.9	199.2	163.8	179.6	187.6	200.7
												203.0

Table 18--Compound annual growth rates for per capita production and consumption of grain, developing countries, projected, 1985

Region	1985							
	I		II		III		IV	
	Production	Consumption	Production	Consumption	Production	Consumption	Production	Consumption
	Percent							
Latin America	0.4	0.6	0.7	1.1	0.1	0.3	1.3	1.0
Middle America	-0.4	0.5	0.0	0.7	-0.3	0.3	0.9	1.7
Argentina	1.2	-0.2	1.6	-0.1	0.8	-0.3	1.4	1.4
Brazil	1.2	1.3	1.8	2.0	1.0	0.8	2.4	1.3
Venezuela	-0.4	1.1	-0.3	1.5	-0.5	0.5	1.9	3.1
Other South America	-0.1	0.7	-0.1	1.0	-0.2	0.4	0.9	3.0
Africa and West Asia	-0.4	0.4	-0.2	0.7	-0.5	0.2	0.5	1.7
High-income North	-0.4	1.3	-0.2	2.0	-0.4	0.9	1.2	0.6
Africa/Middle East	-0.2	1/	-0.1	0.1	-0.3	-0.1	0.5	2.0
Low-income North	-0.8	0.1	-0.7	0.1	-0.9	0.1	-0.9	1.0
Africa/Middle East	-0.9	0.5	-0.5	0.5	-1.1	0.4	-0.2	-1.0
Central Africa	0.4	0.5	0.5	1.0	0.3	0.3	1.1	0.2
East Africa	0.5	0.5	0.6	1.1	0.5	0.3	1.4	1.3
Other Developing Asia	-1/	1/	1/	0.9	-0.1	-0.1	0.8	1.5
India	0.2	0.4	0.7	0.6	-0.1	0.3	0.3	2.0
Other South Asia	0.8	0.3	1.0	0.3	0.6	0.3	0.9	1.3
Thailand	0.5	1.6	0.8	2.3	0.3	0.8	1.0	0.7
Other Southeast Asia	-1.4	0.5	-1.3	0.8	-1.4	0.4	-0.3	0.5
Indonesia	0.9	1/	1.3	0.2	0.7	1/	1.8	1.1
High-income East Asia	0.2	0.5	0.4	1.0	0.1	0.3	1.0	0.9
Low-income East Asia	0.2	0.5	0.4	1.0	0.1	0.3	1.1	0.4
Developing countries total	0.2	0.5	0.4	1.0	0.1	0.3	1.1	1.1

1/ Less than 0.1.

Table 19--Net grain trade, developing countries, recent averages, and projected, 1985 1/

Region	1985				
	1960/61-1962/63	1969/70-1971/72	1973/74-1975/76	I	II
	Million metric tons				
Latin America					
Middle America					
Argentina	+1.0	+3.3	-2	+3	-4
Brazil	-9	-1.0	-4.1	-4.4	-4.5
Venezuela	+5.2	+8.2	+9.0	+14.9	+16.5
Other South America	-1.9	-8	-1.2	-3.1	-4.6
	-4	-1.0	-1.2	-2.2	-2.4
	-1.0	-2.1	-2.7	-4.9	-5.4
Africa and West Asia					
High-income North	-6.1	-10.1	-15.9	-28.7	-31.2
Africa and Middle East					
Low-income North	-2.0	-3.8	-6.4	-13.0	-15.4
Africa and Middle East					
Central Africa	-3.5	-5.3	-7.0	-10.8	-11.3
East Africa	-7	-7	-2.3	-2.6	-2.6
	+1	-3	-2	-2.3	-1.9
Other Developing Asia					
India	-6.4	-11.1	-16.1	-20.5	-39.0
Other South Asia	-4.1	-3.2	-5.7	-4.8	-17.0
Thailand	-2.1	-2.4	-3.6	-3.5	-9.0
Other Southeast Asia	+2.0	+3.2	+3.3	+5.0	+6.0
Indonesia	+1.9	+2	-5	+1.5	+2.3
High-income East Asia	-1.1	-1.1	-2.0	-5.9	-8.0
Low-income East Asia	-1.8	-6.0	-6.0	-11.7	-12.5
	-1.2	-1.8	-1.6	-1.1	-8
Developing countries total:	-11.5	-17.9	-32.2	-48.9	-70.6

1/ Net imports shown as -; net exports shown as +.

Table 20--Effects of accelerated growth in fertilizer use on grain production in the developing countries 1985

Region	Added fertilizer applied	Physical response coefficient	Fertilizer effects on products	Price effect on		Change in net imports
				Production	Consumption	
	1,000 metric tons	Grains/ fertilizer		Million metric tons		
Latin America:						
Middle America	705	5.7	4,045	-540	+167	-3,338
Brazil	914	7.3	6,694	-2,486	+120	-4,088
Venezuela	59	7.7	456	-13	+18	-425
Other South America	280	6.5	1,809	-135	+107	-1,567
Africa and South Asia:						
High-income North						
Africa and Middle	470	8.1	3,798	-299	+158	-3,341
East						
Low-income North						
Africa and Middle	700	7.4	5,173	-723	+404	-4,046
East	126	7.7	971	-401	+25	-545
East Africa						
Other Developing Asia:						
India	2,265	8.6	19,458	-2,136	+5,766	-11,556
Other South Asia	529	8.8	4,652	-492	+1,461	-2,699
Thailand	106	10.4	1,103	-1,881	+132	+910
Other Southeast Asia	97	11.6	1,125	-1,026	+224	+125
Indonesia	304	9.7	2,956	-1,829	+543	-584
High-income East Asia:	411	4.6	1,873	-184	+193	-1,496
Low-income East Asia	245	9.1	2,221	-1,029	+271	-921
Total above 1/	7,211	7.8	56,334	-13,174	+9,589	-33,571

1/ Excludes Argentina and Central Africa.

Table 21--Effects of longrun climatic change on 1985 trade in grains 1/

Region	Alternative I		Alternative II		Alternative IV	
	Original <u>2/</u>	Low yield	Original <u>2/</u>	Low yield	Original <u>2/</u>	Low yield
	Million metric tons					
Developed countries	68.5	101.4	98.5	127.6	63.4	103.6
Importers	-48.0	-53.8	-64.0	-65.5	-70.1	-77.4
Exporters <u>3/</u>	116.4	155.2	162.3	193.0	133.5	181.1
United States	76.4	117.5	116.0	152.9	93.2	141.7
Centrally planned countries	-19.4	-33.2	-27.8	-41.0	-28.9	-42.8
Developing countries	-48.9	-68.1	-70.6	-86.5	-34.4	-60.7
Importers	-68.8	-88.1	-93.1	-108.8	-55.0	-81.1
Exporters <u>4/</u>	19.9	20.0	22.5	22.3	20.7	20.4

1/ As measured by a reduction in yields.

2/ Original projections for alternatives I, II, and IV are discussed in earlier sections of this report.

3/ United States, Canada, Oceania, South Africa.

4/ Argentina, Thailand.

Table 22--Incidence of major yield deviations from trend, 1950-75, and their effect on grain production

Year	United States	Canada	EC-9	Other Western Europe	South Africa	Japan	Oceania	Eastern Europe	USSR	People's Republic of China	Mexico/Central America	Brazil	Argentina
1950		XX											
1951													
1952					XX								
1953						XX		XX					
1954		XX											
1955				XX									
1956								XX					
1957							XX	XX	XX				
1958								XX					
1959										XX			
1960										XX			
1961		XX	XX							XX			
1962										XX			
1963						XX			XX				
1964										XX			
1965							XX		XX				
1966			XX						XX				
1967		XX					XX		XX				XX
1968					XX								
1969					XX								
1970			XX					XX					
1971												XX	
1972						XX	XX			XX		XX	
1973				XX	XX						XX		
1974	XX	XX											
1975			XX						XX			XX	
<u>Shortfall incidence</u>													
Shortfall frequency	1	5	4	2	4	3	4	4	4	3	3	3	3
Total shortfall tonnage	41.0	31.9	24.6	2.7	8.0	4.7	12.8	20.5	151.5	55.6	3.8	6.0	9.0
Average shortfall tonnage	41.0	6.4	6.2	1.4	2.0	1.6	3.2	5.1	37.9	18.5	1.3	2.0	3.0
Percent of base 1969/70-1971/72 production	19.6	19.2	6.6	4.9	19.6	12.4	21.3	7.1	23.0	11.3	8.0	9.5	15.6

Continued--

Table 22--Incidence of major yield deviations from trend, 1950-75, and their effect on grain production--Continued

Year	Other : South : America :	N. Africa/ Middle : East :	East : Africa :	Central : Africa :	India :	Other : South : Asia :	South : East : Asia :	East : Asia :	Sum of negative regional deviations		
									Shortfall : Frequency :	Shortfall : Tonnage :	Percent of base production
										Million metric tons	Percent
1950									1	5.7	.8
1951									-	---	---
1952								XX	2	2.7	.4
1953									1	1.9	.2
1954									2	11.1	1.4
1955									2	2.6	.3
1956						XX			1	4.4	.5
1957	XX				XX		XX		5	50.3	5.9
1958	XX								2	4.8	.5
1959									1	.8	.1
1960									1	25.6	2.8
1961		XX							4	35.9	3.9
1962									1	10.7	1.1
1963									2	39.0	4.0
1964									-	---	---
1965			XX		XX				4	57.7	5.7
1966				XX	XX	XX			5	43.0	3.9
1967									3	12.1	1.1
1968									2	5.6	.5
1969									1	1.7	.1
1970			XX						3	14.8	1.2
1971				XX					2	2.5	.2
1972			XX	XX		XX	XX		9	16.6	1.3
1973		XX		XX					4	11.7	.9
1974		XX			XX				5	79.6	5.9
1975									4	74.0	5.5
										Million metric tons	
Shortfall frequency	2	3	3	4	4	3	2	3			
Total shortfall tonnage	.5	13.2	4.1	3.0	106.0	6.3	5.4	4.4			
Average shortfall tonnage	.3	4.4	1.4	.8	26.5	2.1	2.7	1.5			
Percent of base 1969/70-1971/72 production	3.6	11.3	19.7	11.7	30.5	8.9	11.9	9.8			

Table 24--Effects of short term weather variations on trade levels, projected, 1985

Region/Country	Alternative I variations			Alternative II variations					
	Original 1/	Low yield	Original 1/	8 million : ton stock : accumulation : 2/	16 million : ton stock : accumulation : 2/	8 million : ton stock : accumulation : 2/	16 million : ton stock : accumulation : 2/	8 million : ton stock : accumulation : 2/	40 million : ton stock : accumulation : 2/
	Million metric tons								
Developed countries									
Importers 3/	68.5	101.4	98.5	105.4	112.3	127.6	127.0	134.0	155.0
Exporters 4/	-48.0	-53.8	-63.9	-63.2	-62.5	-65.5	-58.0	-57.3	-54.7
United States	116.4	155.2	162.3	168.6	174.8	193.0	185.1	191.3	209.7
Centrally planned countries	76.4	117.5	116.0	120.9	125.7	152.9	140.0	144.9	166.1
Developing countries	-19.4	-33.2	-27.8	-27.6	-27.4	-41.0	-37.7	-37.5	-37.1
Importers	-48.9	-68.1	-70.6	-69.7	-68.8	-86.5	-81.1	-80.3	-77.8
Exporters 5/	-68.8	-88.1	-93.1	-92.4	-91.6	-108.8	-103.1	-102.5	-100.3
	19.9	20.0	22.5	22.7	22.8	22.3	22.0	22.2	22.5

- 1/ Original alternative I and II taken from earlier sections.
2/ Assumes annual stock accumulations of 8, 16, and 40 million tons.
3/ EC-6, EC-3, Other Western Europe, Japan.
4/ United States, Canada, South Africa, Oceania.
5/ Thailand, Argentina.

Table 25--Production and growth rates for grains, oilcake, and meat,
United States, recent averages, and projected, 1985

Commodity	1969/70- 71/72 base	1973/74- 75/76	1985				
			I	I-A	II	III	IV
Million metric tons							
Production:							
Wheat	40.0	51.1	58.4	49.9	74.4	45.9	64.8
Coarse grains	165.8	173.7	227.2	205.8	269.4	177.1	258.8
Total grains <u>1/</u>	208.7	228.4	290.7	260.5	349.4	227.8	328.2
Oilcake	25.4	31.6	44.5	47.9	48.5	42.3	51.0
1,000 metric tons							
Beef	10,063	10,222	13,070	12,913	13,529	12,455	13,689
Pork	6,227	5,666	6,875	6,718	7,309	6,198	7,433
Compound annual growth rates, percent <u>2/</u>							
Growth rates:							
Wheat			2.6	1.5	4.2	.9	3.3
Coarse grains			2.1	1.5	3.3	.4	3.0
Total grains <u>1/</u>			2.2	1.5	3.5	.6	3.1
Oilcake			3.8	4.3	4.4	3.5	4.8
Beef			1.8	1.7	2.0	1.4	2.1
Pork			.7	.5	1.1	-.03	1.2

1/ Includes rice.

2/ Growth rates computed from base 1969/70-71/72.

Table 26--Grain, oilcake, meat, and cheese exports, United States,
recent averages, and projected, 1985

Commodity	1969/70- 71/72 base	1973/74- 75/76	1985				I	I-A				II	III	IV
			:	:	:	:		:	:	:	:			
								Million metric tons						
Wheat	17.9	30.2				33.5		24.6				50.0	21.5	39.0
Coarse grain	20.3	41.8				39.4		22.1				62.0	12.3	49.2
Rice	1.7	1.9				3.5		3.2				4.0	3.2	3.0
Total grain	39.9	73.9				76.4		49.9				116.0	37.0	91.2
Oilcake	11.2	15.6				23.3		28.0				24.8	24.2	28.0
								1,000 metric tons						
Beef	-741	-792				-435		-752				-275	-938	265
Pork	-109	-140				-262		-583				-877	-1,533	785
Cheese	-55	-104				-48		-118				-252	-0.3	-206

Table 27--U.S. share of world market for grains and oilcake, recent averages, and projected, 1985 ^{1/}

Commodity	1969/70- 71/72 base	1973/74- 75/76	1985							
			I	:	I-A	:	II	:	III	IV
			<u>Percent of world exports</u>							
Wheat	39.2	56.3	51.6		42.1		57.5		36.6	52.9
Coarse grains	53.2	68.8	58.0		43.2		67.5		24.9	60.2
Total grains ^{2/}	44.5	65.1	53.3		42.0		60.2		31.7	54.7
Oilcake	55.3	60.0	51.1		60.0		51.3		57.2	59.5

^{1/} Due to the GOL model's use of regional net trade rather than gross world trade, world exports are understated and the U.S. percentage is overstated.

^{2/} Includes rice.

Table 28--Cereal projections to 1985, selected comparisons from recent studies

Study	Item	Alternative	Year	World			Developing countries			India			United States		
				Production	Consumption	Net exports	Production	Consumption	Net exports	Production	Consumption	Net exports	Production	Consumption	Net exports
				Million metric tons											
GOL	Cereals	Base	1969-71	1,064	1,036	1/ 193	279	300	-21	87	91	-3	209	169	40
	Wheat	"	"	273	267	1/ 87	61	82	-19	21	23	-2	40	22	18
	Rice	"	"	195	190	1/ 14	114	117	-3	42	43	1	3	1	2
	Cereals	I	1985	1,570	1,569	1/ 143	432	481	-49	136	141	-5	291	214	76
	Wheat	I	"	"	"	"	104	145	-41	40	41	-1	58	25	33
	Rice	I	"	"	"	"	171	174	-3	61	62	-1	5	3	3
Iowa State	Cereals	II	"	1,642	1,642	1/ 193	445	516	-71	137	154	-17	349	233	116
	Cereals	III	"	1,508	1,505	1/ 117	424	465	-41	135	137	-2	228	191	37
	Cereals	IV	"	1,652	1,649	1/ 167	486	520	-34	154	160	-6	328	237	91
	Cereals	2/	1985	3/ 1,189	3/ 1,145	3/ 44	4/ 369	4/ 482	4/ -113	137	152	-15	332	179	153
	Cereals	5/	"	3/ 1,088	3/ 980	3/ 108	6/ 337	6/ 402	6/ -66	110	113	-3	330	170	84
	Wheat	5/	"	3/ 355	321	3/ 33	66	6/ 105	6/ -39	23	23	-1	83	21	48
FAO	Rice	5/	"	3/ 163	3/ 163	---	6/ 142	6/ 147	6/ -5	57	57	---	3	1	2
	Cereals	Base	1969-71	1,239	1,207	---	370	386	-16	---	---	---	---	---	---
	Wheat	"	"	329	331	---	67	87	-20	---	---	---	---	---	---
	Rice	"	"	302	310	---	168	171	-3	---	---	---	---	---	---
	Cereals	"	1985	---	1,725	---	853	929	-85	---	---	---	---	---	---
	Wheat	"	"	570	447	---	121	140	-19	---	---	---	---	---	---
California	Rice	"	"	---	447	---	236	275	-39	---	---	---	---	---	---
	Cereals	Base	1970	1,208	1,208	---	617	671	-54	---	---	---	---	---	---
	Wheat	"	"	318	318	---	97	128	-31	---	---	---	---	---	---
	Rice	"	"	308	308	---	300	302	-2	---	---	---	---	---	---
	Cereals	"	1985	1,777	1,777	---	918	955	-37	---	---	---	---	---	---
	Wheat	"	"	455	447	8	163	174	-11	---	---	---	---	---	---
IFPRI	Rice	"	"	444	453	9	433	445	-12	---	---	---	---	---	---
	Cereals	Base	1969-71	---	---	---	---	---	---	---	---	---	---	---	---
	Cereals	High	"	---	---	---	452	534	-82	---	---	---	---	---	---
	Cereals	Low	1985	---	---	---	452	517	-66	---	---	---	---	---	---
	Cereals	High	1985	---	---	---	---	---	-100	---	---	---	---	---	---
	Cereals	Low	1985	---	---	---	---	---	---	---	---	---	---	---	---
OECD	Cereals	High	1985	---	---	---	---	---	---	---	---	---	---	---	---
	Cereals	Low	1985	---	---	---	---	---	---	---	---	---	---	---	---
	Cereals	High	1985	---	---	---	---	---	---	---	---	---	---	---	---
	Cereals	Low	1985	---	---	---	---	---	---	---	---	---	---	---	---
	Cereals	High	1985	---	---	---	---	---	---	---	---	---	---	---	---
	Cereals	Low	1985	---	---	---	---	---	---	---	---	---	---	---	---

-- means less than 0.5 million tons

--- means projections not shown.

1/ Estimated gross exports--shown to indicate trade volume.

2/ Medium population, historical income growth rates, low land bound.

3/ Sum of the 96 countries left out are PRC and many minor countries.

4/ Defined as low-income countries, generally a broader definition than developing market economies.

5/ Projections that resulted from the trade study.

6/ Developing countries.

Represents potential rather than expected or most likely.

COMPUTER RUNS OF ASSUMPTIONS: POPULATION AND PER CAPITA PRIVATE CONSUMPTION
EXPENDITURE, LEVELS AND GROWTH RATES, FOR MAJOR REGIONS OF THE WORLD,
BASE 1970 AND PROJECTED 1985, BY ALTERNATIVE

1985 POPULATION DATA

REGION	BASE POPULATION	GROWTH RATE	ADJUSTMENT	ADJUSTED RATE	PROJECTED POPULATION
	1,000	- - PERCENT PER ANNUM - -			1,000
UNITED STATES	204880.	0.726	1.000	0.726	228360.
CANADA	21030.	1.436	1.000	1.436	26045.
EURO SIX	188084.	0.580	1.000	0.580	205127.
EURO THREE	63381.	0.410	1.000	0.410	67393.
OTHER W EUROPE	82021.	0.615	1.000	0.615	89921.
SOUTH AFRICA	21300.	2.964	1.000	2.964	33011.
JAPAN	104330.	1.073	1.000	1.073	122443.
AUST-N ZEALAND	15320.	1.769	1.000	1.769	19929.
EAST EUROPE	125629.	0.700	1.000	0.700	139486.
SOVIET UNION	242760.	1.028	1.000	1.028	283010.
CHINA	757800.	1.556	1.000	1.556	955286.
INDONESIA	119720.	2.641	1.000	2.641	177000.
EAST ASIA HIGH	50280.	1.948	1.000	1.948	67154.
EAST ASIA LOW	47370.	3.277	1.000	3.277	76834.
THAILAND	37160.	3.298	1.000	3.298	60458.
OTHER SE ASIA	56000.	2.364	1.000	2.364	79505.
INDIA	564810.	2.470	1.000	2.470	814420.
OTHER S. ASIA	172100.	3.023	1.000	3.023	269024.
N.AF.-M.EST HIGH	62752.	3.225	1.000	3.225	101018.
N.AF.-M.EST LOW	116479.	2.849	1.000	2.849	177518.
CENTRAL AFRICA	179755.	2.759	1.000	2.759	270382.
EAST AFRICA	57534.	3.030	1.000	3.030	90027.
MIDDLE AMERICA	78844.	3.103	1.000	3.103	124691.
VENEZUELA	10788.	2.948	1.000	2.948	16681.
BRAZIL	94660.	2.848	1.000	2.848	144245.
ARGENTINA	24160.	1.265	1.000	1.265	29173.
OTHER S AMERICA	61780.	2.760	1.000	2.760	92949.
REST OF WORLD	0.	0.0	1.000	0.0	0.

SOURCE: U.S. DEPT. OF COMMERCE SERIES III PROJECTION FOR THE UNITED STATES;
OTHERWISE, UN-MEDIUM PROJECTION.

1985 ALTERNATIVE I: PRIVATE CONSUMPTION EXPENDITURE

REGION	BASE PCE	GROWTH RATE	ADJUSTMENT	ADJUSTED RATE	PROJECTED PCE
	\$ PER CAPITA	- - PERCENT PER ANNUM - -			\$ PER CAPITA
UNITED STATES	3026.	2.921	1.000	2.921	4660.
CANADA	2237.	3.009	1.000	3.009	3490.
EURO SIX	1493.	3.263	1.000	3.263	2417.
EURO THREE	1374.	1.989	1.000	1.989	1846.
OTHER W EUROPE	1011.	4.161	1.000	4.161	1863.
SOUTH AFRICA	502.	2.385	1.000	2.385	715.
JAPAN	966.	5.452	1.000	5.452	2142.
AUST-N ZEALAND	1596.	2.913	1.000	2.913	2455.
EAST EUROPE	1024.	4.521	1.000	4.521	1988.
SOVIET UNION	1202.	4.782	1.000	4.782	2422.
CHINA	113.	2.388	1.000	2.388	161.
INDONESIA	79.	2.500	1.500	3.750	137.
EAST ASIA HIGH	2955.	5.607	1.000	5.607	6698.
EAST ASIA LOW	241.	0.271	1.000	0.271	251.
THAILAND	130.	4.392	1.000	4.392	248.
OTHER SE ASIA	83.	1.182	1.000	1.182	99.
INDIA	73.	1.364	1.000	1.364	89.
OTHER S. ASIA	95.	0.409	1.000	0.409	101.
N.AF.-M.EST HIGH	261.	5.864	1.000	5.864	614.
N.AF.-M.EST LOW	188.	3.301	1.000	3.301	306.
CENTRAL AFRICA	96.	2.220	1.000	2.220	133.
EAST AFRICA	117.	1.579	1.000	1.579	148.
MIDDLE AMERICA	434.	2.946	1.000	2.946	671.
VENEZUELA	535.	2.687	1.500	4.031	968.
BRAZIL	268.	5.893	0.690	4.066	487.
ARGENTINA	724.	3.125	1.000	3.125	1149.
OTHER S AMERICA	311.	1.925	1.500	2.887	477.
REST OF WORLD	181.	2.500	1.000	2.500	262.

SOURCE: U.S. DEPT. OF COMMERCE SERIES "E" PROJECTION FOR THE UNITED STATES;
OTHERWISE, UN-TREND PROJECTION.

1985 ALTERNATIVES II, IV, IV-A: PRIVATE CONSUMPTION EXPENDITURE

REGION	BASE PCE	GROWTH RATE	ADJUSTMENT	ADJUSTED RATE	PROJECTED PCE
	\$ PER CAPITA	- - PERCENT PER ANNUM - -			\$ PER CAPITA
UNITED STATES	3026.	2.921	1.200	3.505	5073.
CANADA	2237.	3.009	1.200	3.611	3808.
EURO SIX	1493.	3.263	1.200	3.916	2656.
EURO THREE	1374.	1.989	1.200	2.387	1957.
OTHER W EUROPE	1011.	4.161	1.200	4.993	2100.
SOUTH AFRICA	502.	2.385	1.200	2.862	767.
JAPAN	966.	5.452	1.200	6.542	2499.
AUST-N ZEALAND	1596.	2.913	1.200	3.496	2672.
EAST EUROPE	1024.	4.521	1.000	4.521	1988.
SOVIET UNION	1202.	4.782	1.000	4.782	2422.
CHINA	113.	2.388	1.000	2.388	161.
INDONESIA	79.	2.500	2.250	5.625	180.
EAST ASIA HIGH	2955.	5.607	1.300	7.289	8490.
EAST ASIA LOW	241.	0.271	1.500	0.407	256.
THAILAND	130.	4.392	1.300	5.710	299.
OTHER SE ASIA	83.	1.182	1.500	1.773	108.
INDIA	73.	1.364	1.964	2.679	109.
OTHER S. ASIA	95.	0.409	5.241	2.144	131.
N.AF.-M.EST HIGH	261.	5.864	1.300	7.623	786.
N.AF.-M.EST LOW	188.	3.301	1.500	4.951	388.
CENTRAL AFRICA	96.	2.220	1.500	3.330	157.
EAST AFRICA	117.	1.579	1.500	2.369	166.
MIDDLE AMERICA	434.	2.946	1.480	4.360	823.
VENEZUELA	535.	2.687	2.250	6.046	1290.
BRAZIL	268.	5.893	0.950	5.598	607.
ARGENTINA	724.	3.125	1.500	4.688	1439.
OTHER S AMERICA	311.	1.925	2.250	4.331	587.
REST OF WORLD	181.	2.500	1.000	2.500	262.

SOURCE: U.S. DEPT. OF COMMERCE SERIES "E" PROJECTION FOR THE UNITED STATES
OTHERWISE, UN-TREND PROJECTION.

APRIL 1978

1985 ALTERNATIVE I-A: PRIVATE CONSUMPTION EXPENDITURE

REGION	BASE PCE	GROWTH RATE	ADJUSTMENT	ADJUSTED RATE	PROJECTED PCE
	\$ PER CAPITA	- - PERCENT PER ANNUM - -			\$ PER CAPITA
UNITED STATES	3626.	2.921	1.000	2.921	4660.
CANADA	2237.	3.009	1.000	3.009	3490.
EURO SIX	1493.	3.263	1.000	3.263	2417.
EURO THREE	1374.	1.989	1.000	1.989	1846.
OTHER W EUROPE	1011.	4.161	1.000	4.161	1863.
SOUTH AFRICA	502.	2.385	1.000	2.385	715.
JAPAN	966.	5.452	1.000	5.452	2142.
AUST-N ZEALAND	1596.	2.913	1.000	2.913	2455.
EAST EUROPE	1024.	4.521	1.000	4.521	1988.
SOVIET UNION	1202.	4.782	1.000	4.782	2422.
CHINA	113.	2.388	1.000	2.388	161.
INDONESIA	79.	2.500	0.667	1.667	101.
EAST ASIA HIGH	2955.	5.607	0.667	3.738	5124.
EAST ASIA LOW	241.	0.271	0.667	0.181	248.
THAILAND	130.	4.392	0.667	2.928	200.
OTHER SE ASIA	83.	1.182	0.667	0.788	93.
INDIA	73.	1.364	0.667	0.909	84.
OTHER S. ASIA	95.	4.409	0.667	0.273	99.
N.AF.-M.EST HIGH	261.	5.864	0.667	3.910	464.
N.AF.-M.EST LOW	188.	3.301	0.667	2.201	261.
CENTRAL AFRICA	96.	2.220	0.667	1.480	120.
EAST AFRICA	117.	1.579	0.667	1.053	137.
MIDDLE AMERICA	434.	2.946	0.667	1.964	581.
VENEZUELA	535.	2.687	0.667	1.791	698.
BRAZIL	268.	5.893	0.667	3.929	478.
ARGENTINA	724.	3.125	0.667	2.083	986.
OTHER S AMERICA	311.	1.925	0.667	1.283	377.
REST OF WORLD	181.	2.500	1.000	2.500	262.

SOURCE: U.S. DEPT. OF COMMERCE SERIES "E" PROJECTION FOR THE UNITED STATES;
OTHERWISE, UN-TREND PROJECTION.

1985 ALTERNATIVE III: PRIVATE CONSUMPTION EXPENDITURE

REGION	BASE PCE	GROWTH RATE	ADJUSTMENT	ADJUSTED RATE	PROJECTED PCE
	\$ PER CAPITA	- - PERCENT PER ANNUM - -			\$ PER CAPITA
UNITED STATES	3026.	2.921	0.667	1.947	4041.
CANADA	2237.	3.009	0.667	2.006	3013.
EURO SIX	1493.	3.263	0.667	2.175	2062.
EURO THREE	1374.	1.989	0.667	1.326	1674.
OTHER W EUROPE	1011.	4.161	0.667	2.774	1524.
SOUTH AFRICA	502.	2.385	0.667	1.590	636.
JAPAN	966.	5.452	0.667	3.635	1650.
AUST-N ZEALAND	1596.	2.913	0.667	1.942	2130.
EAST EUROPE	1024.	4.521	0.667	3.014	1599.
SOVIET UNION	1202.	4.782	0.667	3.188	1925.
CHINA	113.	2.388	0.667	1.592	143.
INDONESIA	79.	2.500	0.667	1.667	101.
EAST ASIA HIGH	2955.	5.607	0.667	3.738	5124.
EAST ASIA LOW	241.	0.271	0.667	0.181	248.
THAILAND	130.	4.392	0.667	2.928	270.
OTHER SE ASIA	83.	1.182	0.667	0.788	93.
INDIA	73.	1.364	0.667	0.909	84.
OTHER S. ASIA	95.	0.409	0.667	0.273	99.
N.AF.-M.EST HIGH	261.	5.864	0.667	3.910	464.
N.AF.-M.EST LOW	188.	3.301	0.667	2.201	261.
CENTRAL AFRICA	96.	2.220	0.667	1.480	120.
EAST AFRICA	117.	1.579	0.667	1.053	137.
MIDDLE AMERICA	434.	2.946	0.667	1.964	581.
VENEZUELA	535.	2.687	0.667	1.791	698.
BRAZIL	268.	5.893	0.667	3.929	478.
ARGENTINA	724.	3.125	0.667	2.083	986.
OTHER S AMERICA	311.	1.925	0.667	1.283	377.
REST OF WORLD	181.	2.500	1.000	2.500	262.

SOURCE: U.S. DEPT. OF COMMERCE SERIES "E" PROJECTION FOR THE UNITED STATES;
OTHERWISE, UN-TREND PROJECTION.

COMPUTER RUNS OF COMMODITY BALANCES: SUPPLY AND UTILIZATION OF GOL COMMODITIES,
TOTAL QUANTITY LEVELS AND PRICES, FOR MAJOR REGIONS OF THE WORLD, BASE 1970
AND PROJECTED 1985, BY ALTERNATIVE

1970 BASE: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000	METRIC	1,000	PERCENT	---	---	1,000 METRIC TONS	---	---
UNITED STATES	60671.0	3.4	208733.0	19.3	136772.0	32232.0	169004.0	0.0	39945.0
CANADA	17065.0	2.0	33400.0	3.1	15305.0	4645.0	19950.0	60.0	14991.0
EURO SIX	21404.0	3.3	71491.0	6.6	46625.0	32729.0	79354.0	8570.0	1226.0
EURO THREE	5755.0	3.8	21810.0	2.0	20286.0	11109.0	31395.0	9445.0	0.0
OTHER W EUROPE	14456.0	2.0	28405.0	2.6	20173.0	13292.0	33465.0	4962.0	0.0
SOUTH AFRICA	7264.0	1.4	10175.0	0.9	2274.0	4948.0	7222.0	76.0	2645.0
JAPAN	3458.0	3.7	12675.0	1.2	9248.0	18603.0	27851.0	14960.0	546.0
AUST-N ZEALAND	12047.0	1.2	15019.0	1.4	2810.0	3236.0	6046.0	0.0	10910.0
EAST EUROPE	29964.0	2.4	72059.0	6.7	18125.0	60598.0	78723.0	6067.0	0.0
SOVIET UNION	110285.0	1.5	164965.0	15.2	83000.0	78023.0	161023.0	858.0	4799.0
CHINA	114322.0	1.4	163940.0	15.2	7070.0	159831.0	166901.0	3915.0	877.0
INDONESIA	11028.0	1.3	14607.0	1.3	0.0	15531.0	15531.0	1268.0	200.0
EAST ASIA HIGH	3208.0	2.7	8730.0	0.8	1890.0	12744.0	14634.0	5969.0	0.0
EAST ASIA LOW	6243.0	1.0	6520.0	0.6	0.0	8153.0	8153.0	1766.0	0.0
THAILAND	7619.0	1.4	10843.0	1.0	0.0	7600.0	7600.0	70.0	3227.0
OTHER SE ASIA	10084.0	1.2	11940.0	1.1	0.0	11747.0	11747.0	255.0	486.0
INDIA	98160.0	0.9	86966.0	8.0	1012.0	89984.0	90996.0	3210.0	0.0
OTHER S. ASIA	21473.0	1.1	23728.0	2.2	0.0	25883.0	25883.0	2404.0	0.0
N.AF.-M.EST HIGH	11803.0	0.8	9830.0	0.9	832.0	13373.0	14205.0	3778.0	0.0
N.AF.-M.EST LOW	23965.0	1.2	29030.0	2.7	4628.0	30685.0	35313.0	5718.0	398.0
CENTRAL AFRICA	8616.0	0.7	6427.0	0.6	0.0	7392.0	7392.0	851.0	116.0
EAST AFRICA	5923.0	1.2	6955.0	0.6	28.0	7025.0	7053.0	299.0	0.0
MIDDLE AMERICA	12337.0	1.3	15749.0	1.5	3107.0	13790.0	16897.0	1043.0	0.0
VENEZUELA	730.0	1.1	831.0	0.1	300.0	1566.0	1866.0	968.0	17.0
BRAZIL	17121.0	1.2	21075.0	1.9	10876.0	11734.0	22610.0	1835.0	1003.0
ARGENTINA	11273.0	1.7	19222.0	1.8	5148.0	5674.0	10822.0	0.0	8177.0
OTHER S. AMERICA	4994.0	1.4	6883.0	0.6	1604.0	7425.0	9029.0	2230.0	123.0
DEV-ED REGION	142120.0	2.8	401708.0	37.1	253493.0	120754.0	374247.0	38073.0	70263.0
CENTRAL PLAN RG	254571.0	1.6	400964.0	37.1	108195.0	298452.0	406647.0	10840.0	5676.0
LESS DEV-ED RG	254577.0	1.1	279336.0	25.8	29425.0	270306.0	299731.0	31664.0	13747.0
WORLD TOTAL	651268.0	1.7	1082008.0	100.0	391113.0	689552.0	1080665.0	80577.0	89686.0

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1970 BASE: COARSE GRAINS UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	41222.0	4.0	165830.0	29.4	130723.0	15064.0	145787.0	0.0	20345.0
CANADA	7865.0	2.2	17300.0	3.1	13085.0	2130.0	15215.0	0.0	3241.0
EURO SIX	11325.0	3.5	39295.0	7.0	38025.0	9825.0	47850.0	8570.0	0.0
EURO THREE	4540.0	3.7	16705.0	3.0	16761.0	4739.0	21500.0	4630.0	0.0
OTHER W EUROPE	8235.0	2.2	18075.0	3.2	18313.0	3777.0	22090.0	4120.0	0.0
SOUTH AFRICA	5314.0	1.6	8715.0	1.5	2274.0	3556.0	5830.0	0.0	2585.0
JAPAN	265.0	2.7	725.0	0.1	9248.0	1867.0	11115.0	10265.0	0.0
AUST-N ZEALAND	4160.0	1.3	5408.0	1.0	2000.0	985.0	2985.0	0.0	2480.0
EAST EUROPE	19180.0	2.4	45647.0	8.1	15592.0	31658.0	47250.0	1550.0	0.0
SOVIET UNION	44580.0	1.6	71330.0	12.7	47000.0	24870.0	71870.0	540.0	0.0
CHINA	55750.0	1.3	70700.0	12.5	7070.0	63630.0	70700.0	0.0	0.0
INDONESIA	2870.0	1.0	2730.0	0.5	0.0	2395.0	2395.0	0.0	200.0
EAST ASIA HIGH	985.0	2.1	2049.0	0.4	1890.0	1770.0	3660.0	1665.0	0.0
EAST ASIA LOW	2390.0	0.8	2031.0	0.4	0.0	2160.0	2160.0	245.0	0.0
THAILAND	765.0	2.5	1950.0	0.3	0.0	210.0	210.0	0.0	1655.0
OTHER SE ASIA	75.0	4.0	300.0	0.0	0.0	85.0	85.0	0.0	215.0
INDIA	43533.0	0.6	24386.0	4.3	1012.0	24501.0	25513.0	115.0	0.0
OTHER S. ASIA	1700.0	0.5	900.0	0.2	0.0	925.0	925.0	15.0	0.0
N.AF.-M.EST HIGH	3000.0	0.8	2250.0	0.4	832.0	2733.0	3565.0	1205.0	0.0
N.AF.-M.EST LOW	10250.0	1.3	13325.0	2.4	4628.0	9422.0	14050.0	340.0	0.0
CENTRAL AFRICA	4363.0	0.7	2925.0	0.5	0.0	2925.0	2925.0	0.0	116.0
EAST AFRICA	5470.0	1.2	6345.0	1.1	28.0	6225.0	6253.0	17.0	0.0
MIDDLE AMERICA	11050.0	1.2	12930.0	2.3	3012.0	10083.0	13095.0	100.0	0.0
VENEZUELA	609.0	1.1	700.0	0.1	300.0	745.0	1045.0	262.0	0.0
BRAZIL	10400.0	1.4	14560.0	2.6	10876.0	3249.0	14125.0	0.0	935.0
ARGENTINA	6784.0	1.9	13115.0	2.3	5148.0	1287.0	6435.0	0.0	6467.0
OTHER S. AMERICA	2825.0	1.2	3531.0	0.6	1604.0	2306.0	3910.0	380.0	0.0
DEV-ED REGION	82926.0	3.3	272053.0	48.3	230429.0	41943.0	272372.0	27585.0	28651.0
CENTRAL PLAN. RG	119510.0	1.6	187677.0	33.3	69662.0	120158.0	189820.0	2090.0	0.0
LESS DEV-ED RG	107089.0	1.0	104027.0	18.5	29330.0	71021.0	100351.0	4344.0	9588.0
WORLD TOTAL	309525.0	1.8	563757.0	100.0	329421.0	233122.0	562543.0	34019.0	38239.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1970 BASE: WHEAT UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 HECTARES	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
UNITED STATES	18668.0	2.1	40025.0	12.6	6049.0	15854.0	21903.0	0.0	17881.0
CANADA	9200.0	1.8	16100.0	5.1	2220.0	2455.0	4675.0	0.0	11750.0
EURO SIX	9885.0	3.2	31535.0	9.9	8600.0	22300.0	30900.0	0.0	1170.0
EURO THREE	1215.0	4.2	5105.0	1.6	3525.0	6225.0	9750.0	4670.0	0.0
OTHER W EUROPE	6100.0	1.6	9880.0	3.1	1860.0	8940.0	10800.0	775.0	0.0
SOUTH AFRICA	1950.0	0.7	1460.0	0.5	0.0	1315.0	1315.0	0.0	60.0
JAPAN	225.0	2.4	550.0	0.2	0.0	5030.0	5030.0	4695.0	0.0
AUST-N ZEALAND	7850.0	1.2	9420.0	3.0	810.0	2190.0	3000.0	0.0	8300.0
EAST EUROPE	10590.0	2.5	26265.0	8.2	2533.0	28537.0	31070.0	4261.0	0.0
SOVIET UNION	65355.0	1.4	92804.0	29.1	36000.0	52004.0	88004.0	0.0	4799.0
CHINA	24400.0	1.0	23910.0	7.5	0.0	27748.0	27748.0	3915.0	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	531.0	531.0	540.0	0.0
EAST ASIA HIGH	155.0	2.2	341.0	0.1	0.0	3175.0	3175.0	2845.0	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	930.0	930.0	945.0	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	69.0	69.0	70.0	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	291.0	291.0	255.0	0.0
INDIA	16930.0	1.2	20825.0	6.5	0.0	22500.0	22500.0	2600.0	0.0
OTHER S. ASIA	6245.0	1.1	6994.0	2.2	0.0	8735.0	8735.0	2000.0	0.0
N.AF.-M.-EST HIGH	8330.0	0.8	6664.0	2.1	0.0	9306.0	9306.0	2155.0	0.0
N.AF.-M.-EST LOW	13155.0	1.1	13815.0	4.3	0.0	19771.0	19771.0	5378.0	0.0
CENTRAL AFRICA	1022.0	0.6	634.0	0.2	0.0	904.0	904.0	156.0	0.0
EAST AFRICA	215.0	1.8	396.0	0.1	0.0	565.0	565.0	261.0	0.0
MIDDLE AMERICA	750.0	2.8	2100.0	0.7	95.0	2855.0	2950.0	810.0	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	707.0	707.0	706.0	0.0
BRAZIL	1840.0	1.0	1766.0	0.6	0.0	3780.0	3780.0	1835.0	0.0
ARGENTINA	4402.0	1.3	5875.0	1.8	0.0	4225.0	4225.0	0.0	1640.0
OTHER S AMERICA	1445.0	1.3	1950.0	0.6	0.0	3840.0	3840.0	1850.0	0.0
DEV-ED REGION	55093.0	2.1	114075.0	35.8	23064.0	64309.0	87373.0	10140.0	39161.0
CENTRAL PLAN RG	100345.0	1.4	142979.0	44.9	38533.0	108289.0	146822.0	8176.0	4799.0
LESS DEV-ED RG	54489.0	1.1	61360.0	19.3	95.0	82184.0	82279.0	22406.0	1640.0
WORLD TOTAL	209927.0	1.5	318414.0	100.0	61692.0	254782.0	316474.0	40722.0	45600.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 HECTARES	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	781.0	3.7	2878.0	1.4	0.0	1314.0	1314.0	0.0	1719.0
CANADA	0.0	0.0	0.0	0.0	0.0	60.0	60.0	60.0	0.0
EURO SIX	194.0	3.4	661.0	0.3	0.0	604.0	604.0	0.0	56.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	145.0	145.0	145.0	0.0
OTHER W EUROPE	121.0	3.7	450.0	0.2	0.0	575.0	575.0	67.0	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	77.0	77.0	76.0	0.0
JAPAN	2968.0	3.8	11400.0	5.7	0.0	11706.0	11706.0	0.0	546.0
AUST-N ZEALAND	37.0	5.2	191.0	0.1	0.0	61.0	61.0	0.0	130.0
EAST EUROPE	194.0	0.8	147.0	0.1	0.0	403.0	403.0	256.0	0.0
SOVIET UNION	350.0	2.4	831.0	0.4	0.0	1149.0	1149.0	318.0	0.0
CHINA	34172.0	2.0	69330.0	34.7	0.0	68453.0	68453.0	0.0	877.0
INDONESIA	8158.0	1.5	11877.0	5.9	0.0	12605.0	12605.0	728.0	0.0
EAST ASIA HIGH	2068.0	3.1	6340.0	3.2	0.0	7799.0	7799.0	1459.0	0.0
EAST ASIA LOW	3853.0	1.2	4489.0	2.2	0.0	5063.0	5063.0	576.0	0.0
THAILAND	6854.0	1.3	8893.0	4.5	0.0	7321.0	7321.0	0.0	1572.0
OTHER SE ASIA	10009.0	1.2	11640.0	5.8	0.0	11371.0	11371.0	0.0	271.0
INDIA	37677.0	1.1	41755.0	20.9	0.0	42983.0	42983.0	495.0	0.0
OTHER S. ASIA	13528.0	1.2	15834.0	7.9	0.0	16223.0	16223.0	389.0	0.0
N.AF.-M.EST HIGH	473.0	1.9	916.0	0.5	0.0	1334.0	1334.0	418.0	0.0
N.AF.-M.EST LOW	560.0	3.4	1890.0	0.9	0.0	1492.0	1492.0	0.0	398.0
CENTRAL AFRICA	3231.0	0.9	2868.0	1.4	0.0	3563.0	3563.0	695.0	0.0
EAST AFRICA	238.0	0.9	214.0	0.1	0.0	235.0	235.0	21.0	0.0
MIDDLE AMERICA	537.0	1.3	719.0	0.4	0.0	852.0	852.0	133.0	0.0
VENEZUELA	121.0	1.1	131.0	0.1	0.0	114.0	114.0	17.0	0.0
BRAZIL	4881.0	1.0	4749.0	2.4	0.0	4705.0	4705.0	0.0	68.0
ARGENTINA	87.0	2.7	232.0	0.1	0.0	162.0	162.0	0.0	70.0
OTHER S. AMERICA	724.0	1.9	1402.0	0.7	0.0	1279.0	1279.0	0.0	123.0
DEV-ED REGION	4101.0	3.8	15580.0	7.8	0.0	14542.0	14542.0	348.0	2451.0
CENTRAL PLAN RG	34716.0	2.0	70308.0	35.2	0.0	70005.0	70005.0	574.0	877.0
LESS DEV-ED RG	92999.0	1.2	113949.0	57.0	0.0	117101.0	117101.0	4914.0	2519.0
WORLD TOTAL	131816.0	1.5	199837.0	100.0	0.0	201648.0	201648.0	5836.0	5847.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1970 BASE: OILMEAL UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT	- - - - -	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -
UNITED STATES	16772.0	1.5	25384.0	45.5	14234.0	0.0	14234.0	0.0	11150.0
CANADA	2680.0	0.5	1305.0	2.3	870.0	0.0	870.0	0.0	435.0
EURO SIX	0.0	0.0	549.0	1.0	10546.0	0.0	10546.0	9997.0	0.0
EURO THREE	0.0	0.0	544.0	1.0	3028.0	0.0	3028.0	2484.0	0.0
OTHER W EUROPE	545.0	2.0	1070.0	1.9	2951.0	0.0	2951.0	1881.0	0.0
SOUTH AFRICA	0.0	0.0	684.0	1.2	425.0	0.0	425.0	0.0	259.0
JAPAN	0.0	0.0	978.0	1.8	3124.0	651.0	3775.0	2795.0	0.0
AUST-N ZEALAND	195.0	0.3	60.0	0.1	0.0	152.0	152.0	92.0	0.0
EAST EUROPE	0.0	0.0	1316.0	2.4	2482.0	0.0	2482.0	1166.0	0.0
SOVIET UNION	0.0	0.0	5602.0	10.0	5602.0	0.0	5602.0	0.0	0.0
CHINA	0.0	0.0	3892.0	7.0	3642.0	0.0	3642.0	0.0	250.0
INDONESIA	950.0	0.5	502.0	0.9	0.0	188.0	188.0	0.0	314.0
EAST ASIA HIGH	459.0	0.3	148.0	0.3	789.0	0.0	789.0	601.0	0.0
EAST ASIA LOW	0.0	0.0	842.0	1.5	486.0	0.0	486.0	0.0	356.0
INDIA	14800.0	0.2	3458.0	6.2	2739.0	0.0	2739.0	0.0	719.0
N.AF.-M.EST HIGH	0.0	0.0	0.0	0.0	336.0	0.0	336.0	336.0	0.0
CENTRAL AFRICA	0.0	0.0	2141.0	3.8	710.0	0.0	710.0	0.0	1431.0
MIDDLE AMERICA	550.0	1.4	791.0	1.4	920.0	0.0	920.0	129.0	0.0
BRAZIL	1271.0	1.4	1817.0	3.3	698.0	0.0	698.0	0.0	1119.0
ARGENTINA	2244.0	0.5	1036.0	1.9	0.0	243.0	243.0	0.0	793.0
OTHER S AMERICA	401.0	9.2	3674.0	6.6	341.0	0.0	341.0	0.0	333.0
DEV-ED REGION	20192.0	1.5	30574.0	54.8	35178.0	803.0	35981.0	17249.0	11844.0
CENTRAL PLAN RG	0.0	0.0	10810.0	19.4	11726.0	0.0	11726.0	1166.0	250.0
LESS DEV-ED RG	20675.0	0.7	14409.0	25.8	7019.0	431.0	7450.0	1066.0	8065.0
WORLD TOTAL	40867.0	1.4	55793.0	100.0	53923.0	1234.0	55157.0	19481.0	20159.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1970 BASE: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	-- -- -- -- -- 1,000 METRIC TONS -- -- -- --				
UNITED STATES	53162.0	27.0	0.0	0.0	0.0	0.0	0.0
CANADA	8284.0	4.2	0.0	0.0	0.0	0.0	0.0
EURO SIX	74412.0	37.8	0.0	0.0	0.0	0.0	0.0
EURO THREE	20778.0	10.6	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	21726.0	11.0	0.0	0.0	0.0	0.0	0.0
JAPAN	4697.0	2.4	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	13741.0	7.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	196794.0	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	196794.0	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	-- -- -- -- -- 1,000 METRIC TONS -- -- -- -- --				
UNITED STATES	0.0	0.0	0.0	33566.0	33566.0	0.0	0.0
CANADA	0.0	0.0	0.0	3711.0	3711.0	0.0	0.0
EURO SIX	0.0	0.0	0.0	31526.0	31526.0	0.0	0.0
EURO THREE	0.0	0.0	0.0	12443.0	12443.0	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	12971.0	12971.0	0.0	0.0
JAPAN	0.0	0.0	0.0	3458.0	3458.0	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	3215.0	3215.0	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	100890.0	100890.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	100890.0	100890.0	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	PERCENT					1,000 METRIC TONS	
UNITED STATES	516.0	17.3	0.0	500.0	500.0	0.0	19.5
CANADA	148.0	5.0	0.0	148.0	148.0	0.0	0.0
EURO SIX	1294.0	43.4	0.0	1197.0	1197.0	0.0	97.0
EURO THREE	274.0	9.2	0.0	563.0	563.0	289.0	0.0
OTHER W EUROPE	256.0	8.6	0.0	244.0	244.0	0.0	12.0
JAPAN	45.1	1.5	0.0	45.5	45.5	0.4	0.0
AUST-N ZEALAND	446.0	15.0	0.0	174.0	174.0	0.0	272.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	2979.1	100.0	0.0	2871.5	2871.5	289.4	400.5
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	2979.1	100.0	0.0	2871.5	2871.5	289.4	400.5

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	993.0	25.8	0.0	1063.0	1063.0	55.0	0.0
CANADA	101.0	2.6	0.0	111.0	111.0	10.0	0.0
EURO SIX	1859.0	48.2	0.0	1832.0	1832.0	0.0	27.0
EURO THREE	281.0	7.3	0.0	357.0	357.0	76.0	0.0
OTHER W EUROPE	433.0	11.2	0.0	370.0	370.0	0.0	63.0
JAPAN	9.8	0.3	0.0	42.9	42.9	33.1	0.0
AUST-N ZEALAND	176.0	4.6	0.0	60.0	60.0	0.0	118.0
DEV-ED REGION	3854.8	100.0	0.0	3835.9	3835.9	174.1	208.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	3854.8	100.0	0.0	3835.9	3835.9	174.1	208.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: TOTAL MEAT UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	21199.0	29.4	0.0	21904.0	21904.0	904.0	64.0
CANADA	1911.0	2.6	0.0	1928.0	1928.0	44.0	13.0
EURO SIX	11592.0	16.1	0.0	11973.0	11973.0	448.0	66.0
EURO THREE	4125.0	5.7	0.0	4627.0	4627.0	543.0	41.0
OTHER W EUROPE	3360.0	4.7	0.0	3631.0	3631.0	267.0	8.0
JAPAN	1362.0	1.9	0.0	1614.0	1614.0	253.0	0.0
AUST-N ZEALAND	3068.0	4.3	0.0	1616.0	1616.0	0.0	1449.0
EAST EUROPE	5067.0	7.0	0.0	4925.0	4925.0	0.0	142.0
SOVIET UNION	5107.0	7.1	0.0	5058.0	5058.0	0.0	49.0
CHINA	8863.0	12.3	0.0	8720.0	8720.0	0.0	43.0
MIDDLE AMERICA	1181.0	1.6	0.0	1030.0	1030.0	0.0	151.0
BRAZIL	2443.0	3.4	0.0	2315.0	2315.0	0.0	128.0
ARGENTINA	2907.0	4.0	0.0	2217.0	2217.0	0.0	687.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	46617.0	64.6	0.0	47293.0	47293.0	2459.0	1641.0
CENTRAL PLAN RG	19037.0	26.4	0.0	18703.0	18703.0	0.0	234.0
LESS DEV-ED RG	6531.0	9.0	0.0	5562.0	5562.0	0.0	966.0
WORLD TOTAL	72185.0	100.0	0.0	71558.0	71558.0	2459.0	2841.0

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: BEEF AND VEAL UTILIZATION

APRIL 1978

REGION	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	10063.0	31.9	0.0	10793.0	10793.0	741.0	0.0
CANADA	881.0	2.8	0.0	912.0	912.0	44.0	0.0
EURO SIX	4416.0	14.0	0.0	4828.0	4828.0	412.0	0.0
EURO THREE	1334.0	4.2	0.0	1522.0	1522.0	188.0	0.0
OTHER W EUROPE	1060.0	3.4	0.0	1250.0	1250.0	178.0	0.0
JAPAN	251.0	0.8	0.0	293.0	293.0	42.0	0.0
AUST-N ZEALAND	1385.0	4.4	0.0	654.0	654.0	0.0	729.0
EAST EUROPE	1852.0	5.9	0.0	1761.0	1761.0	0.0	91.0
SOVIET UNION	5107.0	16.2	0.0	5058.0	5058.0	0.0	49.0
MIDDLE AMERICA	843.0	2.7	0.0	692.0	692.0	0.0	151.0
BRAZIL	1832.0	5.8	0.0	1705.0	1705.0	0.0	127.0
ARGENTINA	2503.0	7.9	0.0	1865.0	1865.0	0.0	635.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	19390.0	61.5	0.0	20252.0	20252.0	1605.0	729.0
CENTRAL PLAN RG	6959.0	22.1	0.0	6819.0	6819.0	0.0	140.0
LESS DEV-ED RG	5178.0	16.4	0.0	4262.0	4262.0	0.0	913.0
WORLD TOTAL	31527.0	100.0	0.0	31333.0	31333.0	1605.0	1782.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	6227.0	21.2	0.0	6325.0	6325.0	109.0	0.0
CANADA	601.0	2.1	0.0	588.0	588.0	0.0	12.0
EURO SIX	5061.0	17.3	0.0	4997.0	4997.0	0.0	64.0
EURO THREE	1838.0	6.3	0.0	1852.0	1852.0	14.0	0.0
OTHER W EUROPE	1493.0	5.1	0.0	1485.0	1485.0	0.0	8.0
JAPAN	635.0	2.2	0.0	667.0	667.0	33.0	0.0
AUST-N ZEALAND	212.0	0.7	0.0	207.0	207.0	0.0	4.0
EAST EUROPE	3215.0	11.0	0.0	3164.0	3164.0	0.0	51.0
CHINA	8863.0	30.2	0.0	8720.0	8720.0	0.0	43.0
MIDDLE AMERICA	338.0	1.2	0.0	338.0	338.0	0.0	0.0
BRAZIL	611.0	2.1	0.0	610.0	610.0	0.0	1.0
ARGENTINA	221.0	0.8	0.0	215.0	215.0	0.0	6.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	16067.0	54.8	0.0	16121.0	16121.0	156.0	88.0
CENTRAL PLAN RG	12078.0	41.2	0.0	11884.0	11884.0	0.0	94.0
LESS DEV-ED RG	1170.0	4.0	0.0	1163.0	1163.0	0.0	7.0
WORLD TOTAL	29315.0	100.0	0.0	29168.0	29168.0	156.0	189.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT					
UNITED STATES	4659.0	52.6	0.0	4483.0	4483.0	0.0	64.0
CANADA	429.0	4.8	0.0	428.0	428.0	0.0	1.0
EURO SIX	1920.0	21.7	0.0	1917.0	1917.0	0.0	2.0
EURO THREE	686.0	7.7	0.0	645.0	645.0	0.0	41.0
OTHER W EUROPE	534.0	6.0	0.0	576.0	576.0	42.0	0.0
JAPAN	475.0	5.4	0.0	489.0	489.0	14.0	0.0
AUST-N ZEALAND	153.0	1.7	0.0	151.0	151.0	0.0	2.0
DEV-ED REGION	8856.0	100.0	0.0	8689.0	8689.0	56.0	110.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	8856.0	100.0	0.0	8689.0	8689.0	56.0	110.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1970 BASE: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				METRIC TONS	
UNITED STATES	250.0	10.1	0.0	303.0	303.0	54.0	0.0
EURO SIX	195.0	7.8	0.0	231.0	231.0	36.0	0.0
EURO THREE	267.0	10.7	0.0	608.0	608.0	341.0	0.0
OTHER W EUROPE	273.0	11.0	0.0	320.0	320.0	47.0	0.0
JAPAN	1.0	0.0	0.0	165.0	165.0	164.0	0.0
AUST-N ZEALAND	1318.0	53.0	0.0	604.0	604.0	0.0	714.0
ARGENTINA	183.0	7.4	0.0	137.0	137.0	0.0	46.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	2304.0	92.6	0.0	2231.0	2231.0	642.0	714.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	183.0	7.4	0.0	137.0	137.0	0.0	46.0
WORLD TOTAL	2487.0	100.0	0.0	2368.0	2368.0	642.0	760.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	66580.1	4.3	289481.5	29.2	177407.6	35455.5	212863.1	0.0	76618.4
CANADA	18248.6	2.7	49862.3	5.0	22481.5	5089.0	27570.6	74.5	22366.3
EURO SIX	21639.4	4.6	100532.7	10.1	70362.1	35305.6	105667.7	6008.8	873.8
EURO THREE	6467.7	4.4	28600.1	2.9	24048.6	10439.1	34487.7	5987.6	0.0
OTHER W EUROPE	14687.1	2.8	40960.1	4.1	28482.7	14608.6	43091.3	2131.2	0.0
SOUTH AFRICA	8345.8	1.7	14386.6	1.5	3798.7	7626.9	11425.6	116.2	3077.1
JAPAN	2693.8	4.1	11156.3	1.1	24620.4	21247.4	45867.7	34605.4	0.0
AUST-N ZEALAND	15996.8	1.5	24037.3	2.4	4724.2	3782.5	8506.7	0.0	15530.6
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6498.9	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9076.6	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7908.5	939.0
INDONESIA	13495.6	1.7	23098.7	2.3	0.0	29113.3	29113.3	6125.4	110.7
EAST ASIA HIGH	3293.1	2.9	9472.6	1.0	3448.0	17749.7	21197.8	11725.1	0.0
EAST ASIA LOW	8313.1	1.5	12065.6	1.2	155.3	13026.6	13181.9	1587.1	470.9
THAILAND	10382.6	1.7	18006.7	1.8	0.0	13104.0	13104.0	135.4	5038.0
OTHER SE ASIA	11390.2	1.7	18946.6	1.9	821.7	16654.7	17476.4	452.5	1922.7
INDIA	116437.9	1.2	135716.7	13.7	3186.5	137402.1	140588.6	4861.9	0.0
OTHER S. ASIA	25037.1	1.5	36965.8	3.7	0.0	40512.7	40512.7	3546.9	0.0
N.AF.-HIGHEST HIGH	13426.0	1.1	14969.8	1.5	1714.7	26209.6	27924.3	12954.4	0.0
N.AF.-M-EST LOW	25869.1	1.6	42676.1	4.3	6839.0	46580.0	53419.0	11403.3	660.4
CENTRAL AFRICA	0.0	0.0	8554.8	0.9	0.0	11219.4	11219.4	2664.5	0.0
EAST AFRICA	6632.0	1.4	9477.8	1.0	182.1	11617.6	11799.7	2321.9	0.0
MIDDLE AMERICA	13781.5	1.8	24301.6	2.5	5365.6	23350.3	28715.8	4414.2	0.0
VENEZUELA	772.2	1.6	1206.8	0.1	580.2	2797.9	3378.1	2171.3	0.0
BRAZIL	24618.3	1.6	38449.3	3.9	18569.8	20647.3	39217.1	3297.7	2529.9
ARGENTINA	13812.0	2.0	27580.9	2.8	6321.9	6401.2	12723.1	0.0	14857.8
OTHER S AMERICA	5956.5	1.7	10134.7	1.0	2582.8	1272.2	15055.0	5501.6	581.4
DEV-ED REGION	154659.1	3.6	559016.7	56.4	355925.7	133554.5	489480.1	48823.7	118466.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23484.0	939.0
LESS DEV-ED RG	293216.9	1.5	431623.9	43.6	49767.6	428857.8	478625.2	73163.2	26171.7
WORLD TOTAL	447875.6	2.2	990640.3	100.0	405692.8	562412.0	968104.9	145470.8	145576.9

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I: COARSE GRAINS UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	41362.7	5.4	224758.8	41.2	170040.7	16574.1	186614.8	0.0	38144.0
CANADA	8990.3	3.1	28145.1	5.2	19266.4	2302.4	21568.8	0.0	6576.3
EURO SIX	13185.9	4.8	62646.5	11.5	57408.5	11200.5	68609.1	5962.5	0.0
EURO THREE	5123.0	4.4	22734.2	4.2	19720.0	4477.0	24197.0	1462.8	0.0
OTHER W EUROPE	9139.9	3.2	28827.6	5.3	25796.0	4342.5	30138.5	1310.9	0.0
SOUTH AFRICA	5998.4	2.0	12117.5	2.2	3798.7	5404.3	9203.0	0.0	2914.5
JAPAN	190.4	2.9	544.7	0.1	24620.4	2548.7	27169.1	26624.4	0.0
AUST-N ZEALAND	5527.4	1.6	8895.3	1.6	3371.4	1160.7	4532.1	0.0	4363.2
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5032.1	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8490.4	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	800.4	0.0
INDONESIA	3017.1	1.7	5274.4	1.0	0.0	5163.8	5163.8	0.0	110.7
EAST ASIA HIGH	992.0	2.3	2297.1	0.4	3448.0	2499.9	5947.9	3650.8	0.0
EAST ASIA LOW	3383.3	1.2	3931.2	0.7	155.3	3692.0	3847.3	0.0	84.0
THAILAND	1220.3	3.1	3753.6	0.7	0.0	487.7	487.7	0.0	3265.9
OTHER SE ASIA	0.0	0.0	1128.8	0.2	821.7	123.8	945.5	0.0	183.3
INDIA	45865.8	0.8	35157.1	6.4	3185.5	34209.8	37396.3	2239.3	0.0
OTHER S. ASIA	1905.3	0.8	1459.3	0.3	0.0	1500.5	1500.5	41.1	0.0
N.AF.-M.EST HIGH	3116.9	1.0	3093.6	0.6	1714.7	5087.4	6802.1	3708.4	0.0
N.AF.-M.EST LOW	9622.1	1.8	17392.7	3.2	6839.0	14485.9	21324.8	3932.2	0.0
CENTRAL AFRICA	0.0	0.0	3525.0	0.6	0.0	3525.0	3525.0	0.0	0.0
EAST AFRICA	6104.2	1.4	8632.0	1.6	182.1	9981.4	10163.6	1531.6	0.0
MIDDLE AMERICA	12424.8	1.7	20591.5	3.8	5201.7	16583.9	21785.6	1194.1	0.0
VENEZUELA	663.7	1.5	1020.3	0.2	580.2	1257.7	1837.9	817.6	0.0
BRAZIL	14878.4	1.8	27053.6	5.0	18569.8	6278.2	24848.0	0.0	2205.6
ARGENTINA	8417.6	2.2	18098.9	3.3	6321.9	1384.3	7706.2	0.0	10392.8
OTHER S. AMERICA	3068.4	1.6	4844.8	0.9	2582.8	3683.5	6266.3	1421.5	0.0
DEV-ED REGION	89517.9	4.3	388669.6	71.2	324021.9	48010.2	372032.1	35360.7	51998.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14342.9	0.0
LESS DEV-ED RG	114679.7	1.4	157253.7	28.8	49603.7	109944.6	159548.1	18536.6	16242.2
WORLD TOTAL	204197.4	2.7	545923.2	100.0	373625.2	157954.7	531580.1	68240.1	68240.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE 1: COARSE GRAINS PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
- - - REGIONAL CURRENCY - - -					
UNITED STATES	US DOLLAR	56.54	0.0	0.0	60.86
CANADA	CANADIAN DOLLAR	56.77	50.13	0.0	56.77
EURO SIX	EC UNIT OF ACCT	94.15	77.73	29.70	65.59
EURO THREE	EC UNIT OF ACCT	94.15	101.86	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	81.25	93.82	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	62.20	55.82	0.0	61.98
JAPAN	THOUSAND YEN	26.48	67.38	0.0	72.94
AUST-N ZEALAND	AUST DOLLAR	36.94	36.94	0.0	44.14
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	64.50	79.43	0.0	62.90
EAST ASIA HIGH	DOLLAR EQUIV	74.35	194.57	0.0	71.98
EAST ASIA LOW	DOLLAR EQUIV	65.26	68.45	0.0	66.24
THAILAND	DOLLAR EQUIV	60.01	59.72	0.0	62.89
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDIA	DOLLAR EQUIV	66.84	66.84	0.0	73.30
OTHER S. ASIA	DOLLAR EQUIV	95.03	95.03	0.0	73.30
N.AF.-M.EST HIGH	DOLLAR EQUIV	88.88	75.78	0.0	68.06
N.AF.-M.EST LOW	DOLLAR EQUIV	66.93	68.39	0.0	64.33
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	55.53	50.44	0.0	57.33
MIDDLE AMERICA	DOLLAR EQUIV	91.56	68.28	0.0	80.37
VENEZUELA	DOLLAR EQUIV	66.78	81.80	0.0	70.69
BRAZIL	DOLLAR EQUIV	55.38	40.71	0.0	62.72
ARGENTINA	ARGENTINE PESOS	243.16	243.16	0.0	65.28
OTHER S AMERICA	DOLLAR EQUIV	61.71	75.86	0.0	64.07

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$57.08; 3-YEAR AVERAGE 1969-71, 71-72; U.S. GULF PORTS, NO. 2 YELLOW CORN.
 EURO SIX: \$61.81; 3-YEAR AVERAGE 1969-71, 71-72; C.I.F. ROTTERDAM, NO. 2 YELLOW CORN.
 JAPAN: \$69.16; 3-YEAR AVERAGE 1969-71, 71-72; C.I.F. YOKAHAMA, NO. 2 YELLOW CORN.

1985 ALTERNATIVE I: WHEAT UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	24212.3	2.5	60178.6	23.3	7366.9	17316.6	24683.5	0.0	35495.1
CANADA	9258.2	2.3	21717.2	8.4	3215.2	2712.1	5927.2	0.0	15789.9
EURO SIX	8255.1	4.5	37195.3	14.4	12953.6	23367.8	36321.4	0.0	873.8
EURO THREE	1344.7	4.4	5865.9	2.3	4328.6	5837.0	10165.6	4299.6	0.0
OTHER W EUROPE	5415.0	2.1	11552.8	4.5	2686.7	9625.5	12312.2	753.4	0.0
SOUTH AFRICA	2347.4	1.0	2269.1	0.9	0.0	2106.4	2106.4	0.0	162.6
JAPAN	126.1	2.8	354.8	0.1	0.0	8335.8	8335.8	7981.0	0.0
AUST-N ZEALAND	10401.1	1.4	14785.7	5.7	1352.8	2541.3	3894.0	0.0	10891.7
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1152.6	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	307.8	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7108.1	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	3729.2	3729.2	3729.2	0.0
EAST ASIA HIGH	201.6	2.4	486.7	0.2	0.0	6599.0	6599.0	6112.3	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1587.1	1587.1	1587.1	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	135.4	135.4	135.4	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	452.5	452.5	452.5	0.0
INDIA	24763.4	1.6	39907.3	15.5	0.0	41294.1	41294.1	1376.8	0.0
OTHER S. ASIA	7165.3	1.7	11941.0	4.6	0.0	15035.8	15035.8	3094.8	0.0
N.AF.-M.EST HIGH	9682.6	1.1	10394.2	4.0	0.0	18456.6	18456.6	8062.3	0.0
N.AF.-M.EST LOW	15489.6	1.4	22453.9	8.7	0.0	29924.9	29924.9	7471.1	0.0
CENTRAL AFRICA	0.0	0.0	769.0	0.2	0.0	2520.8	2520.8	1751.8	0.0
EAST AFRICA	254.2	2.2	558.5	0.2	0.0	1264.1	1264.1	705.7	0.0
MIDDLE AMERICA	736.9	3.8	2775.0	1.1	163.9	5285.9	5449.8	2674.8	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	1349.6	1349.6	1349.6	0.0
BRAZIL	2452.9	1.3	3137.6	1.2	0.0	6435.2	6435.2	3297.7	0.0
ARGENTINA	5267.9	1.7	9103.4	3.5	0.0	4827.0	4827.0	0.0	4276.4
OTHER S AMERICA	1555.3	1.6	2524.6	1.0	0.0	6604.7	6604.7	4080.1	0.0
DEV-ED REGION	61359.9	2.5	153919.1	59.7	31903.8	71842.4	103746.1	13040.1	63213.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8568.4	0.0
LESS DEV-ED RG	67569.7	1.5	104050.9	40.3	163.9	145501.6	145665.4	45881.0	4276.4
WORLD TOTAL	128929.4	2.0	257969.9	100.0	32067.6	217343.8	249411.4	67489.5	67489.5

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I: WHEAT PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
- - - REGIONAL CURRENCY - - -					
DOLLAR EQUIV					
UNITED STATES	US DOLLAR	63.37	0.0	0.0	65.10
CANADA	CANADIAN DOLLAR	69.70	56.09	0.0	69.70
EURO SIX	EC UNIT OF ACCT	95.73	92.43	45.98	71.57
EURO THREE	EC UNIT OF ACCT	95.73	99.09	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	95.57	93.14	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	111.38	101.89	0.0	68.20
JAPAN	THOUSAND YEN	38.86	60.88	0.0	72.14
AUST-N ZEALAND	AUST DOLLAR	59.10	57.39	0.0	61.53
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	96.23	0.0	0.0	96.23
EAST ASIA HIGH	DOLLAR EQUIV	95.86	197.05	0.0	73.99
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	70.05
THAILAND	DOLLAR EQUIV	80.71	0.0	0.0	80.71
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	76.70
INDIA	DOLLAR EQUIV	84.41	105.86	0.0	80.34
OTHER S. ASIA	DOLLAR EQUIV	111.46	99.98	0.0	80.34
N.AF.-M.EST HIGH	DOLLAR EQUIV	109.15	98.02	0.0	76.00
N.AF.-M.EST LOW	DOLLAR EQUIV	70.54	84.50	0.0	69.27
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	91.46	77.22	0.0	93.30
MIDDLE AMERICA	DOLLAR EQUIV	124.17	79.48	0.0	74.39
VENEZUELA	DOLLAR EQUIV	70.01	0.0	0.0	0.0
BRAZIL	DOLLAR EQUIV	104.30	111.10	0.0	79.13
ARGENTINA	ARGENTINE PESOS	202.08	202.08	0.0	65.04
OTHER S AMERICA	DOLLAR EQUIV	77.88	112.07	0.0	76.70

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$58.73; 3-YEAR AVERAGE 1969-70,71-72; U.S. GULF PORTS, NO. 2 HARD RED WINTER, ORDINARY PROTEIN. CANADA: \$63.33; 3-YEAR AVERAGE 1969-70,71-72; CANADIAN WHEAT BOARD QUOTA, NO. 1-2. EURO SIX: \$65.28; 3-YEAR AVERAGE 1969-70,71-72; C.I.F. ROTTERDAM, ALL CLASSES WHEAT. JAPAN: \$65.77; 3-YEAR AVERAGE 1969-70,71-72; C.I.F. YOKAHAMA, U.S. WESTERN WHITE. AUST&N.ZEALAND: \$55.16; 3-YEAR AVERAGE 1969-70,71-72; F.A.Q. AUSTRALIAN WHEAT BOARD.

1985 ALTERNATIVE I: RICE UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	1005.2	4.5	4544.2	2.4	0.0	1564.9	1564.9	0.0	2379.3
CANADA	0.0	0.0	0.0	0.0	0.0	74.5	74.5	74.5	0.0
EURO SIX	198.4	3.5	691.0	0.4	0.0	737.2	737.2	46.3	0.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	125.1	125.1	125.1	0.0
OTHER W EUROPE	132.2	4.4	579.7	0.3	0.0	640.6	640.6	60.9	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	116.2	116.2	116.2	0.0
JAPAN	2377.3	4.3	10256.8	5.5	0.0	10362.8	10362.8	0.0	0.0
AUST-N ZEALAND	68.2	5.2	356.3	0.2	0.0	80.5	80.5	0.0	275.7
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294.3	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	278.4	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	939.0
INDONESIA	10478.5	1.7	17824.2	9.5	0.0	20220.3	20220.3	2396.1	0.0
EAST ASIA HIGH	2099.4	3.2	6688.8	3.6	0.0	8650.8	8650.8	1962.0	0.0
EAST ASIA LOW	4929.8	1.7	8134.4	4.4	0.0	7747.5	7747.5	0.0	386.9
THAILAND	9162.4	1.6	14253.1	7.6	0.0	12481.0	12481.0	0.0	1772.1
OTHER SE ASIA	11390.2	1.6	17817.8	9.5	0.0	16078.4	16078.4	0.0	1739.4
INDIA	45808.7	1.3	60652.5	32.5	0.0	61898.3	61898.3	1245.8	0.0
OTHER S. ASIA	15966.5	1.5	23565.5	12.6	0.0	23976.5	23976.5	411.0	0.0
N.AF.-M.EAST HIGH	626.5	2.4	1482.0	0.8	0.0	2665.7	2665.7	1183.7	0.0
N.AF.-M.EAST LOW	757.4	3.7	2829.6	1.5	0.0	2169.2	2169.2	0.0	660.4
CENTRAL AFRICA	0.0	0.0	4260.8	2.3	0.0	5173.6	5173.6	912.8	0.0
EAST AFRICA	273.6	1.1	287.3	0.2	0.0	372.0	372.0	84.7	0.0
MIDDLE AMERICA	619.8	1.5	935.1	0.5	0.0	1480.4	1480.4	545.4	0.0
VENEZUELA	108.6	1.7	186.5	0.1	0.0	190.6	190.6	4.1	0.0
BRAZIL	7287.1	1.1	8258.1	4.4	0.0	7933.8	7933.8	0.0	324.3
ARGENTINA	126.5	3.0	378.6	0.2	0.0	189.9	189.9	0.0	188.6
OTHER S AMERICA	1332.8	2.1	2765.3	1.5	0.0	2184.0	2184.0	0.0	581.4
DEV-ED REGION	3781.3	4.3	16428.0	8.8	0.0	13701.9	13701.9	423.0	3255.1
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	572.7	939.0
LESS DEV-ED RG	110967.4	1.5	170319.2	91.2	0.0	173411.7	173411.7	8745.6	5653.1
WORLD TOTAL	114748.7	1.6	186747.2	100.0	0.0	187113.5	187113.5	9741.2	9847.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I: RICE PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- -- REGIONAL CURRENCY -- --			DOLLAR EQUIV
UNITED STATES	US DOLLAR	578.51	0.0	0.0	248.44
CANADA	CANADIAN DOLLAR	296.51	0.0	0.0	296.51
EURO SIX	EC UNIT OF ACCT	312.96	158.80	92.32	218.01
EURO THREE	EC UNIT OF ACCT	312.96	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	225.51	166.51	0.0	225.51
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	246.51
JAPAN	THOUSAND YEN	246.20	262.89	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	204.96	68.09	0.0	228.50
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	224.51	224.51	0.0	229.06
EAST ASIA HIGH	DOLLAR EQUIV	246.75	198.23	0.0	217.51
EAST ASIA LOW	DOLLAR EQUIV	0.0	128.51	0.0	182.51
THAILAND	DOLLAR EQUIV	136.31	130.81	0.0	216.51
OTHER SE ASIA	DOLLAR EQUIV	164.51	76.75	0.0	167.51
INDIA	DOLLAR EQUIV	120.40	109.05	0.0	223.96
OTHER S. ASIA	DOLLAR EQUIV	153.40	113.40	0.0	183.51
N.AF.-M.EST HIGH	DOLLAR EQUIV	277.51	131.75	0.0	277.51
N.AF.-M.EST LOW	DOLLAR EQUIV	188.51	0.0	0.0	194.51
CENTRAL AFRICA	DOLLAR EQUIV	188.51	99.75	0.0	185.51
EAST AFRICA	DOLLAR EQUIV	102.77	102.77	0.0	261.51
MIDDLE AMERICA	DOLLAR EQUIV	291.51	363.51	0.0	291.51
VENEZUELA	DOLLAR EQUIV	237.20	203.04	0.0	185.51
BRAZIL	DOLLAR EQUIV	267.51	153.51	0.0	174.51
ARGENTINA	ARGENTINE PESOS	609.14	487.14	0.0	162.44
OTHER S AMERICA	DOLLAR EQUIV	305.51	232.45	0.0	305.51

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$176.98; 3-YEAR AVERAGE 1969-70, 71-72; F.O.B. MILLS, U.S. #2.
 EURO SIX: \$154.50; 3-YEAR AVERAGE 1969-70, 71-72; C.I.F. NORTH SEA PORTS, LONG GRAIN MILLED.
 THAILAND: \$153.00; 3-YEAR AVERAGE 1970-72; F.O.B. BANGKOK, 5% BROKEN POLISHED.

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
UNITED STATES	26013.1	1.7	44143.4	55.5	21023.8	0.0	21023.8	0.0	23119.6
CANADA	3391.5	0.6	2084.3	2.6	1547.0	0.0	1547.0	0.0	537.3
EURO SIX	0.0	0.0	699.0	0.9	17360.5	0.0	17360.5	16661.5	0.0
EURO THREE	0.0	0.0	694.9	0.9	6763.4	0.0	6763.4	6068.5	0.0
OTHER W EUROPE	685.4	1.7	1188.9	1.5	5200.2	0.0	5200.2	4011.4	0.0
SOUTH AFRICA	0.0	0.0	915.5	1.2	710.0	0.0	710.0	0.0	205.5
JAPAN	0.0	0.0	1203.7	1.5	7208.8	597.3	7806.1	6597.4	0.0
AUST-N ZEALAND	429.8	0.4	168.6	0.2	0.0	201.9	201.9	33.3	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4785.6	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3319.6	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
INDONESIA	1125.1	0.6	686.6	0.9	0.0	321.5	321.5	0.0	365.0
EAST ASIA HIGH	497.8	0.4	181.3	0.2	1328.3	0.0	1328.3	1147.1	0.0
EAST ASIA LOW	0.0	0.0	504.1	0.6	0.0	0.0	0.0	0.0	504.1
INDIA	20334.8	0.3	5098.2	6.4	3973.6	0.0	3973.6	0.0	1124.6
N.AF.-M.EST HIGH	0.0	0.0	0.0	0.0	592.8	0.0	592.8	592.8	0.0
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1908.0
MIDDLE AMERICA	668.4	1.5	998.0	1.3	1585.7	0.0	1585.7	587.8	0.0
BRAZIL	1410.1	1.1	15256.5	19.2	2363.4	0.0	2363.4	0.0	12923.1
ARGENTINA	2837.1	0.5	1415.2	1.8	0.0	282.4	282.4	0.0	1132.9
OTHER S AMERICA	466.7	9.0	4206.1	5.3	537.4	0.0	537.4	0.0	3668.8
DEV-ED REGION	30519.8	1.7	51103.2	64.3	59813.7	799.2	60612.9	33372.0	23862.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	40030.1	0.7	28376.0	35.7	10381.3	603.9	10985.2	2327.7	21626.5
WORLD TOTAL	70549.7	1.1	79479.1	100.0	70194.9	1403.1	71598.0	44304.8	45488.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I: OILMEAL PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - -	- - -	- - -	DOLLAR EQUIV
UNITED STATES	US DOLLAR	93.70	0.0	0.0	106.85
CANADA	CANADIAN DOLLAR	127.18	109.85	0.0	127.18
EURO SIX	EC UNIT OF ACCT	110.52	0.0	0.0	110.52
EURO THREE	EC UNIT OF ACCT	115.52	115.52	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	115.52	115.52	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	98.55
JAPAN	THOUSAND YEN	55.05	55.05	0.0	153.94
AUST-N ZEALAND	AUST DOLLAR	138.77	138.77	0.0	120.55
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	64.20	64.20	0.0	64.20
EAST ASIA HIGH	DOLLAR EQUIV	117.06	117.06	0.0	117.06
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	64.20
INDIA	DOLLAR EQUIV	92.89	92.89	0.0	92.89
N.A.F.-M.EST HIGH	DOLLAR EQUIV	116.85	0.0	0.0	116.85
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	99.05
MIDDLE AMERICA	DOLLAR EQUIV	152.66	152.66	0.0	152.66
BRAZIL	DOLLAR EQUIV	92.25	76.71	0.0	92.25
ARGENTINA	ARGENTINE PESOS	275.06	275.06	0.0	73.35
OTHER S AMERICA	DOLLAR EQUIV	104.16	104.16	0.0	104.16

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$98.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, DECATUR, SOYBEAN MEAL, 44 PERCENT PROTEIN, PLUS FOB EXPORT MARGIN.
 EURO SIX: \$101.97; 3-YEAR AVERAGE 1969-71; CIF EUROPEAN PORTS, U.S. BULK, 44 PERCENT PROTEIN.
 JAPAN: \$145.39; 3-YEAR AVERAGE 1969-71; WHOLESALE SOYBEAN PRICE PAID BY EIGHT MANUFACTURERS.

1985 ALTERNATIVE I: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	63965.6	26.8	0.0	0.0	0.0	0.0	0.0
CANADA	10616.3	4.4	0.0	0.0	0.0	0.0	0.0
EURO SIX	90303.1	37.9	0.0	0.0	0.0	0.0	0.0
EURO THREE	21886.8	9.2	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	25397.9	10.6	0.0	0.0	0.0	0.0	0.0
JAPAN	9627.0	4.0	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	16778.7	7.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	238575.3	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	238575.3	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: MILK PRODUCTS PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	118.88	0.0	0.0
CANADA	CANADIAN DOLLAR	0.0	120.11	0.0	0.0
EURO SIX	EC UNIT OF ACCT	0.0	109.57	0.0	0.0
EURO THREE	EC UNIT OF ACCT	0.0	109.57	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	0.0	94.39	0.0	0.0
JAPAN	THOUSAND YEN	0.0	48.41	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	49.52	0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$122.57; 3-YEAR AVERAGE 1969-71; WEIGHTED AVERAGE PRICE FOR MANUFACTURING GRADE AND GRADE A MILK ELIGIBLE FOR FLUID USE.
 EURO SIX: UA 103; 2 YEAR AVERAGE 1968-69,70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT DELIVERED.
 AUST & N.ZEALAND: AUST. \$35; 3-YEAR AVERAGE 1969-71; PRODUCER PRICE OF MILK EQUIVALENT PAID AT DAIRY.

1985 ALTERNATIVE I: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	0.0	0.0	0.0	35669.1	35669.1	0.0	0.0
CANADA	0.0	0.0	0.0	4378.6	4378.6	0.0	0.0
EURO SIX	0.0	0.0	0.0	37382.3	37382.3	0.0	0.0
EURO THREE	0.0	0.0	0.0	13761.4	13761.4	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	17416.1	17416.1	0.0	0.0
JAPAN	0.0	0.0	0.0	8456.1	8456.1	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	4019.3	4019.3	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	121082.7	121082.7	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	121082.7	121082.7	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: FLUID MILK PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	136.71	0.0	0.0	0.0
CANADA	CANADIAN DOLLAR	145.51	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	109.57	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	112.57	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	186.95	0.0	0.0	0.0
JAPAN	THOUSAND YEN	138.80	0.0	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	150.13	0.0	0.0	0.0

SELECTED DEMAND PRICES FOR THE BASE PERIOD ARE PRESENTED IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$133.75; 3-YEAR AVERAGE 1969-71; AVERAGE PRICE FOR MILK ELIGIBLE FOR FLUID USE (GRADE A).
 EURO SIX: UA 103; 3-YEAR AVERAGE 1968-69,70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT, DELIVERED.
 AUST & N.ZEALAND: AUST. \$97.59; 3-YEAR AVERAGE 1969-71; UNIT WHOLESale (GROSS) VALUE FOR FLUID MILK.

1985 ALTERNATIVE I: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	694.2	20.6	0.0	694.2	694.2	0.0	0.0
CANADA	194.5	5.8	0.0	160.0	160.0	0.0	34.4
EURO SIX	1517.5	45.0	0.0	1366.1	1366.1	0.0	151.4
EURO THREE	257.7	7.6	0.0	302.3	302.3	44.6	0.0
OTHER W EUROPE	123.7	3.7	0.0	355.5	355.5	231.7	0.0
JAPAN	34.6	1.0	0.0	117.3	117.3	82.7	0.0
AUST-N ZEALAND	549.5	16.3	0.0	216.4	216.4	0.0	333.1
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	159.9	0.0
DEV-ED REGION	3371.7	100.0	0.0	3211.8	3211.8	359.1	518.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	159.9	0.0
WORLD TOTAL	3371.7	100.0	0.0	3211.8	3211.8	518.9	518.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: BUTTER PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			
		DOLLAR EQUIV			
UNITED STATES	US DOLLAR	924.35	75.07	0.0	0.0
CANADA	CANADIAN DOLLAR	1447.84	103.57	0.0	734.67
EURO SIX	EC UNIT OF ACCT	1896.73	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	1896.73	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1292.67	0.0	0.0	1292.67
JAPAN	THOUSAND YEN	660.74	0.0	0.0	695.67
AUST-N ZEALAND	AUST DOLLAR	1076.89	41.60	0.0	705.67
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 IN VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE: \$1,785; 3-YEAR AVERAGE 1969-71; FINLAND, WHOLESALE PRICE.
 AUST & N.ZEALAND: \$698; 3-YEAR AVERAGE 1969-71; NEW ZEALAND, EXPORT UNIT VALUE.

1985 ALTERNATIVE 1: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	1516.5	28.1	0.0	1550.7	1550.7	34.2	0.0
CANADA	153.2	2.8	0.0	187.9	187.9	34.8	0.0
EURO SIX	2549.9	47.3	0.0	2508.0	2508.0	0.0	42.0
EURO THREE	297.1	5.5	0.0	230.9	230.9	0.0	66.3
OTHER W EUROPE	646.5	12.0	0.0	640.0	640.0	0.0	6.5
JAPAN	30.7	0.6	0.0	149.5	149.5	118.8	0.0
AUST-N ZEALAND	197.4	3.7	0.0	105.5	105.5	0.0	91.9
DEV-ED REGION	5391.4	100.0	0.0	5372.4	5372.4	187.7	206.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	5391.4	100.0	0.0	5372.4	5372.4	187.7	206.6

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: CHEESE PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1023.76	82.80	0.0	1027.51
CANADA	CANADIAN DOLLAR	961.76	87.14	0.0	866.51
EURO SIX	EC UNIT OF ACCT	1494.69	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	1494.69	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1131.51	1131.51	0.0	1190.51
JAPAN	THOUSAND YEN	473.66	0.0	0.0	244.51
AUST-N ZEALAND	AUST DOLLAR	334.06	6.98	0.0	249.51

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE: \$1,555; 3-YEAR AVERAGE 1969-71; SWITZERLAND, WHOLESALE PRICE.

1985 ALTERNATIVE I: TOTAL MEAT UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	26915.7	35.2	0.0	27618.1	27618.1	1129.8	53.0
CANADA	3037.5	4.0	0.0	2958.5	2958.5	0.0	77.3
EURO SIX	17095.0	22.3	0.0	17441.6	17441.6	973.9	627.4
EURO THREE	5662.3	7.4	0.0	5681.9	5681.9	450.3	430.7
OTHER W EUROPE	5211.6	6.8	0.0	5765.1	5765.1	463.1	0.0
JAPAN	3751.4	4.9	0.0	4601.3	4601.3	819.7	0.0
AUST-N ZEALAND	4588.4	6.0	0.0	2004.9	2004.9	0.0	2309.3
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	210.6
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	27.3	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	2326.1	3.0	0.0	2128.6	2128.6	94.4	291.9
BRAZIL	4173.4	5.5	0.0	4375.0	4375.0	203.3	0.0
ARGENTINA	3796.4	5.0	0.0	2829.6	2829.6	0.0	958.8
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	813.2	0.0
DEV-ED REGION	66261.9	86.6	0.0	66071.3	66071.3	3836.8	3497.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	27.3	323.6
LESS DEV-ED RG	10295.9	13.4	0.0	9333.1	9333.1	1110.9	1250.7
WORLD TOTAL	76557.8	100.0	0.0	75404.3	75404.3	4975.0	5072.1

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: BEEF AND VEAL UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT					
UNITED STATES	13003.8	36.7	0.0	13684.6	13684.6	733.8	53.0
CANADA	1498.7	4.2	0.0	1443.8	1443.8	0.0	55.0
EURO SIX	6029.5	17.0	0.0	6934.6	6934.6	905.1	0.0
EURO THREE	2116.6	6.0	0.0	1695.0	1695.0	0.0	421.5
OTHER W EUROPE	1650.1	4.7	0.0	2021.0	2021.0	370.9	0.0
JAPAN	713.0	2.0	0.0	1141.8	1141.8	428.8	0.0
AUST-N ZEALAND	2242.8	6.3	0.0	1000.3	1000.3	0.0	1242.5
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	137.4
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	27.3	0.0
MIDDLE AMERICA	1735.6	4.9	0.0	1443.7	1443.7	0.0	291.9
BRAZIL	3099.8	8.8	0.0	3303.1	3303.1	203.3	0.0
ARGENTINA	3313.0	9.4	0.0	2369.8	2369.8	0.0	943.2
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	422.5	0.0
DEV-ED REGION	27254.6	77.0	0.0	27921.1	27921.1	2438.6	1772.1
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	27.3	137.4
LESS DEV-ED RG	8148.4	23.0	0.0	7116.5	7116.5	625.8	1235.2
WORLD TOTAL	35403.0	100.0	0.0	35037.7	35037.7	3091.6	3144.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE 1: BEEF AND VEAL PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	2345.33	767.77	0.0	1436.33
CANADA	CANADIAN DOLLAR	775.77	775.77	0.0	775.77
EURO SIX	EC UNIT OF ACCT	1401.67	861.57	269.92	890.77
EURO THREE	EC UNIT OF ACCT	1401.67	1401.67	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1401.67	855.59	0.0	0.0
JAPAN	THOUSAND YEN	1496.79	455.93	0.0	1045.87
AUST-N ZEALAND	AUST DOLLAR	681.69	681.69	0.0	1186.33
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	840.77	640.77	0.0	840.77
BRAZIL	DOLLAR EQUIV	722.77	722.77	0.0	722.77
ARGENTINA	ARGENTINE PESOS	2661.38	1228.15	0.0	1247.33
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,289; 3-YEAR AVERAGE 1969-71; CHICAGO; FROZEN BEEF, IMPORTED, 90 PERCENT LEAN.
 EURO THREE: \$843; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, LIVERPOOL, WHOLESALE PRICE FOR SIDES, BULLOCKS, AND HEIFERS (ROUGHLY COMPARABLE TO U.S. GOOD).
 AUST & N-ZEALAND: \$1039; 3-YEAR AVERAGE 1969-71; EXPORT UNIT VALUE TO U.S., BONELESS, CHILLED, OR FROZEN.
 ARGENTINA: \$285.60; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, BUENOS AIRES, STEERS, LIVELWEIGHT, JUNTA NACIONAL DE CARNES. THE PROJECTED TRADE PRICE FOR 1985 IS FOR BONELESS FROZEN, COMPARABLE TO AUST-N ZEALAND PRICE WITH TAX DIFFERENTIAL. 1969-1971 WERE TRANSITION YEARS FOR ARGENTINA.

1985 ALTERNATIVE I: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	6855.3	29.0	0.0	7143.7	7143.7	288.4	0.0
CANADA	791.3	3.4	0.0	769.0	769.0	0.0	22.3
EURO SIX	7195.3	30.5	0.0	6672.7	6672.7	0.0	522.7
EURO THREE	2403.9	10.2	0.0	2394.7	2394.7	0.0	9.2
OTHER W EUROPE	2127.4	9.0	0.0	2139.7	2139.7	12.3	0.0
JAPAN	2013.5	8.5	0.0	2114.2	2114.2	100.7	0.0
AUST-N ZEALAND	263.3	1.1	0.0	257.1	257.1	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	73.2
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	590.5	2.5	0.0	684.9	684.9	94.4	0.0
BRAZIL	1073.6	4.5	0.0	1071.9	1071.9	0.0	0.0
ARGENTINA	296.4	1.3	0.0	288.3	288.3	0.0	0.0
REST OF WORLD	3.0	0.0	0.0	0.0	0.0	244.5	0.0
DEV-ED REGION	21650.0	91.7	0.0	21491.1	21491.1	401.5	554.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	186.2
LESS DEV-ED RG	1960.5	8.3	0.0	2045.1	2045.1	338.9	0.0
WORLD TOTAL	23610.5	100.0	0.0	23536.2	23536.2	740.3	740.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: PORK PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
UNITED STATES	US DOLLAR	1785.56	528.23	0.0	1709.56
CANADA	CANADIAN DOLLAR	779.34	779.34	0.0	779.34
EURO SIX	EC UNIT OF ACCT	1026.10	853.11	325.53	676.98
EURO THREE	EC UNIT OF ACCT	1026.10	1026.10	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1026.10	848.63	0.0	0.0
JAPAN	THOUSAND YEN	954.26	268.02	0.0	1299.72
AUST-N ZEALAND	AUST DOLLAR	917.77	917.77	0.0	0.0
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	1043.34	1043.34	0.0	1043.34
BRAZIL	DOLLAR EQUIV	881.69	881.69	0.0	0.0
ARGENTINA	ARGENTINE PESOS	1003.29	1003.29	0.0	0.0
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,564; 3-YEAR AVERAGE 1969-71; UNIT VALUE, HAMS, SHOULDERS, CANNED, IMPORTED, AVERAGE U.S.
EURO SIX: \$586; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE MINUS VARIABLE LEVY, WEST GERMANY,
PURCHASE PRICE OF SLAUGHTER HALVES (PORK SIDES, CARCASS).

EURO THREE: \$836; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, LONDON (SMITHFIELD), IMPORTED DANISH BACON.

1985 ALTERNATIVE I: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	7056.6	47.6	0.0	6789.8	6789.8	0.0	0.0
CANADA	747.5	5.0	0.0	745.8	745.8	0.0	0.0
EURO SIX	3677.3	24.8	0.0	3572.5	3572.5	0.0	104.7
EURO THREE	887.0	6.0	0.0	947.8	947.8	60.7	0.0
OTHER W EUROPE	1149.5	7.8	0.0	1239.9	1239.9	0.0	0.0
JAPAN	1024.9	6.9	0.0	1055.1	1055.1	0.0	0.0
AUST-N ZEALAND	268.0	1.8	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	14810.8	100.0	0.0	14350.8	14350.8	60.7	104.7
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	14810.8	100.0	0.0	14350.8	14350.8	60.7	104.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: POULTRY PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1042.97	723.97	0.0	0.0
CANADA	CANADIAN DOLLAR	489.31	489.31	0.0	0.0
EURO SIX	EC UNIT OF ACCT	800.02	553.21	0.0	0.0
EURO THREE	EC UNIT OF ACCT	769.49	769.49	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	514.08	350.91	0.0	0.0
JAPAN	THOUSAND YEN	806.48	224.54	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	0.0	0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$633; 3-YEAR AVERAGE 1969-71; COMPOSITE OF GRADE A BROILERS AND FROZEN READY-TO-COOK TURKEYS.
 EURO SIX: UA 490; 3-YEAR AVERAGE 1969-71; BELGIUM-DEYNZE MARKET, CHICKENS FOR ROASTING, LIVEWEIGHT.
 EURO THREE: UA 560; 3-YEAR AVERAGE 1969-71; BIRMINGHAM, BRISTOL, LONDON AND MANCHESTER MARKET AVERAGE, BROILERS, GOOD QUALITY, WHOLESALE SLAUGHTER.

1985 ALTERNATIVE I: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	0.0	0.0	0.0	0.0	0.0	107.5	0.0
EURO SIX	192.9	7.1	0.0	261.8	261.8	68.9	0.0
EURO THREE	254.8	9.3	0.0	644.4	644.4	389.5	0.0
OTHER W EUROPE	284.6	10.4	0.0	364.5	364.5	79.9	0.0
JAPAN	0.0	0.0	0.0	290.2	290.2	290.2	0.0
AUST-N ZEALAND	1814.3	66.4	0.0	747.5	747.5	0.0	1066.8
ARGENTINA	187.0	6.8	0.0	171.5	171.5	0.0	15.5
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	146.3	0.0
DEV-ED REGION	2546.6	93.2	0.0	2308.3	2308.3	936.0	1066.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	187.0	6.8	0.0	171.5	171.5	146.3	15.5
WORLD TOTAL	2733.6	100.0	0.0	2479.7	2479.7	1082.3	1082.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I: LAMB AND MUTTON PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	969.83	969.83	0.0	678.57
EURO THREE	EC UNIT OF ACCT	969.83	969.83	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	969.83	969.83	0.0	0.0
JAPAN	THOUSAND YEN	145.48	0.0	0.0	406.57
AUST-N ZEALAND	AUST DOLLAR	350.61	350.61	0.0	390.87
ARGENTINA	ARGENTINE PESOS	1624.12	1624.12	0.0	433.10
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

EURO THREE SUPPLY: UA 698; 3-YEAR AVERAGE 1969-71; LONDON (SMITHFIELD); NEW ZEALAND; FROZEN CARCASS, WHOLESALE.
 JAPAN TRADE: \$426; 3-YEAR AVERAGE 1969-71; UNIT VALUES OF IMPORTS.
 AUST & N.ZEALAND: \$410.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, SYDNEY (HOMEBUSH), LAMB,
 29-36 LB., FIRST AND SECOND EXPORT QUALITY, DRESSED WEIGHT BASIS.

1985 ALTERNATIVE II: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 HECTARES	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	82449.6	4.2	343656.1	32.5	195916.6	34244.4	230160.9	0.0	113495.0
CANADA	19953.3	2.7	54103.9	5.1	23990.1	4939.2	28929.4	73.4	25248.0
EURO SIX	20016.0	4.7	93721.9	8.9	72225.7	35748.6	107974.3	14252.4	0.0
EURO THREE	6415.8	4.4	28028.8	2.7	25568.6	10637.5	36206.1	8177.3	0.0
OTHER W EUROPE	14550.1	2.8	40260.0	3.8	30115.0	14772.4	44887.4	4627.4	0.0
SOUTH AFRICA	8606.6	1.8	15115.3	1.4	3760.2	7586.9	11347.1	115.0	3883.1
JAPAN	2676.2	4.1	11034.2	1.0	26958.6	21022.2	47980.8	36840.6	0.0
AUST-N ZEALAND	17554.5	1.5	26343.0	2.5	5207.5	3638.2	8845.7	0.0	17497.3
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9886.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12132.9	787.3
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10033.5	1018.4
INDONESIA	14046.8	1.7	24112.0	2.3	0.0	32379.9	32379.9	8267.9	0.0
EAST ASIA HIGH	3299.2	2.9	9554.5	0.9	3681.8	17997.1	21678.9	12124.4	0.0
EAST ASIA LOW	8712.5	1.5	12671.5	1.2	670.9	12924.8	13595.7	1969.8	1045.6
THAILAND	11086.8	1.7	19288.8	1.8	0.0	13301.6	13301.6	143.3	6130.4
OTHER SE ASIA	11698.3	1.7	19672.6	1.9	843.1	16677.8	17520.9	466.6	2618.4
INDIA	116676.7	1.2	137018.9	13.0	5028.8	149309.1	154337.8	17308.9	0.0
OTHER S. ASIA	25191.5	1.5	37249.8	3.5	0.0	46249.3	46249.3	8999.4	0.0
N.AF.-M.EST HIGH	13672.4	1.1	15284.5	1.4	1823.0	27617.1	29440.1	14155.5	0.0
N.AF.-M.EST LOW	26100.2	1.7	43372.1	4.1	6907.6	47675.1	54582.7	11982.5	771.8
CENTRAL AFRICA	0.0	0.0	8671.7	0.8	0.0	11299.6	11299.6	2627.9	0.0
EAST AFRICA	6975.7	1.4	10011.8	0.9	178.5	11755.1	11933.6	1921.8	0.0
MIDDLE AMERICA	14145.5	1.8	25010.8	2.4	5538.1	23995.9	29534.0	4523.2	0.0
VENEZUELA	776.3	1.6	1220.8	0.1	638.8	2982.6	3621.4	2400.6	0.0
BRAZIL	26562.1	1.6	41329.9	3.9	20224.0	21373.1	41597.1	3383.1	3115.9
ARGENTINA	14599.3	2.0	29197.1	2.8	6710.6	6127.4	12838.0	0.0	1635.1
OTHER S AMERICA	6010.5	1.7	10260.8	1.0	2594.9	13117.0	15711.9	5902.4	451.3
DEV-ED REGION	17222.0	3.6	61226.9	58.0	38374.2	132589.2	516331.3	64086.1	160123.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32052.4	1805.7
LESS DEV-ED RG	29953.3	1.5	443927.0	42.0	54840.1	454781.4	509621.5	96177.2	30492.6
WORLD TOTAL	471775.0	2.2	1066189.0	100.0	438582.1	587370.6	1025952.6	192315.1	192421.4

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000			PERCENT			1,000 METRIC TONS		
UNITED STATES	50356.9	5.2	263565.1	44.8	188330.7	16058.5	204389.2	0.0	59175.8
CANADA	9287.2	3.2	29303.6	5.0	20621.5	2226.2	22847.7	0.0	6455.9
EURO SIX	12663.7	4.4	60187.1	10.2	58902.6	11398.6	70301.2	10114.1	0.0
EURO THREE	5143.3	4.8	22607.9	3.8	20878.1	4572.4	25450.5	2842.6	0.0
OTHER W EUROPE	9148.8	3.1	28601.7	4.9	27223.0	4409.3	31632.3	3030.6	0.0
SOUTH AFRICA	6087.0	2.1	12668.3	2.2	3760.2	5354.5	9114.6	0.0	3553.7
JAPAN	189.8	2.9	551.9	0.1	26958.6	2572.4	29531.0	28979.1	0.0
AUST-N ZEALAND	6402.5	1.6	10228.7	1.7	3739.3	1104.9	4844.2	0.0	5384.5
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8679.5	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11871.8	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1850.4	0.0
INDONESIA	3026.9	1.7	5295.0	0.9	0.0	5543.0	5543.0	248.0	0.0
EAST ASIA HIGH	975.8	2.3	2272.9	0.4	3681.8	2510.6	6192.4	3919.5	0.0
EAST ASIA LOW	3467.7	1.2	4017.2	0.7	670.9	3723.8	4394.7	377.5	0.0
THAILAND	1292.5	3.1	3969.3	0.7	0.0	516.6	516.6	0.0	3452.7
OTHER SE ASIA	0.0	0.0	1138.0	0.2	843.1	125.5	968.6	0.0	169.4
INDIA	45044.9	0.8	34751.4	5.9	5028.8	35732.2	40761.0	6009.5	0.0
OTHER S. ASIA	1886.2	0.8	1450.4	0.2	0.0	1591.0	1591.0	140.6	0.0
N.AF.-M.EST HIGH	3103.4	1.0	3097.6	0.5	1823.0	5326.0	7149.0	4051.4	0.0
N.AF.-M.EST LOW	9485.8	1.8	17308.6	2.9	6907.6	14980.4	21888.0	4579.4	0.0
CENTRAL AFRICA	0.0	0.0	3525.0	0.6	0.0	3525.0	3525.0	0.0	0.0
EAST AFRICA	6421.7	1.4	9123.1	1.6	178.5	10073.0	10251.5	1128.4	0.0
MIDDLE AMERICA	12721.5	1.7	21065.3	3.6	5369.0	16775.9	22144.9	1079.7	0.0
VENEZUELA	660.2	1.5	1022.2	0.2	638.8	1309.6	1948.4	926.2	0.0
BRAZIL	16073.0	1.8	29082.0	4.9	20224.0	6354.3	25578.3	0.0	2503.8
ARGENTINA	8545.0	2.2	18636.0	3.2	6710.6	1304.0	8014.6	0.0	10621.5
OTHER S AMERICA	3075.1	1.6	4863.9	0.8	2594.9	3758.0	6352.9	1489.0	0.0
DEV-ED REGION	99278.9	4.3	427714.1	72.7	350413.7	47696.8	398110.5	44966.4	74569.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22401.7	0.0
LESS DEV-ED RG	115779.5	1.4	160617.7	27.3	54671.0	113148.6	167819.6	23949.2	16747.3
WORLD TOTAL	215058.2	2.7	588331.6	100.0	405084.4	160845.3	565929.9	91316.9	91317.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE II: COARSE GRAINS PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	65.56	0.0	0.0	69.88
CANADA	CANADIAN DOLLAR	65.79	59.15	0.0	65.79
EURO SIX	EC UNIT OF ACCT	90.01	73.59	16.53	74.61
EURO THREE	EC UNIT OF ACCT	90.01	97.72	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	77.11	89.68	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	71.22	64.84	0.0	71.00
JAPAN	THOUSAND YEN	29.71	70.61	0.0	81.96
AUST-N ZEALAND	AUST DOLLAR	45.04	45.04	0.0	53.16
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	73.52	85.75	0.0	71.92
EAST ASIA HIGH	DOLLAR EQUIV	83.37	199.08	0.0	81.00
EAST ASIA LOW	DOLLAR EQUIV	74.28	77.47	0.0	75.26
THAILAND	DOLLAR EQUIV	69.03	68.74	0.0	71.91
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDIA	DOLLAR EQUIV	70.45	70.45	0.0	82.32
OTHER S. ASIA	DOLLAR EQUIV	101.35	101.35	0.0	82.32
N.AF.-M.EST HIGH	DOLLAR EQUIV	97.90	84.80	0.0	77.08
N.AF.-M.EST LOW	DOLLAR EQUIV	75.95	77.41	0.0	73.35
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	64.55	59.46	0.0	66.35
MIDDLE AMERICA	DOLLAR EQUIV	100.58	77.30	0.0	89.39
VENEZUELA	DOLLAR EQUIV	75.80	86.31	0.0	79.71
BRAZIL	DOLLAR EQUIV	64.40	49.73	0.0	71.74
ARGENTINA	ARGENTINE PESOS	277.01	277.01	0.0	74.30
OTHER S AMERICA	DOLLAR EQUIV	70.73	80.37	0.0	73.09

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$57.08; 3-YEAR AVERAGE 1969-71,71-72; U.S. GULF PORTS, NO. 2 YELLOW CORN.
 EURO SIX: \$61.81; 3-YEAR AVERAGE 1969-71,71-72; C.I.F. ROTTERDAM, NO. 2 YELLOW CORN.
 JAPAN: \$69.16; 3-YEAR AVERAGE 1969-71,71-72; C.I.F. YOKAHAMA, NO. 2 YELLOW CORN.

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	30989.7	2.4	75143.9	27.4	7585.9	16607.3	24193.1	0.0	50950.8
CANADA	10666.1	2.3	24800.3	9.0	3368.7	2639.6	6008.3	0.0	18792.0
EURO SIX	7148.9	4.6	32899.8	12.0	13323.1	23611.1	36934.3	4124.5	0.0
EURO THREE	1272.6	4.3	5421.0	2.0	4690.6	5944.1	10634.7	5213.7	0.0
OTHER W EUROPE	5264.3	2.1	11042.3	4.0	2892.0	9745.9	12637.9	1595.6	0.0
SOUTH AFRICA	2519.7	1.0	2447.0	0.9	0.0	2117.5	2117.5	0.0	329.5
JAPAN	125.6	2.9	366.4	0.1	0.0	8228.0	8228.0	7861.6	0.0
AUST-N ZEALAND	11083.2	1.4	15752.5	5.7	1468.2	2453.1	3921.3	0.0	11831.2
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	935.4	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	787.3
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8183.1	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	4799.1	4799.1	4799.1	0.0
EAST ASIA HIGH	202.9	2.4	491.8	0.2	0.0	6684.9	6684.9	6193.1	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1592.3	1592.3	1592.3	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	143.3	143.3	143.3	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	466.6	466.6	466.6	0.0
INDIA	24761.5	1.6	40031.5	14.6	0.0	48703.2	48703.2	8641.7	0.0
OTHER S. ASIA	7217.8	1.7	12032.5	4.4	0.0	19531.3	19531.3	7498.8	0.0
N.AF.-WEST HIGH	9909.6	1.1	10622.2	3.9	0.0	19425.2	19425.2	8803.1	0.0
N.AF.-WEST LOW	15818.7	1.5	23024.9	8.4	0.0	30427.9	30427.9	7403.0	0.0
CENTRAL AFRICA	0.0	0.0	769.0	0.3	0.0	2668.9	2668.9	1899.9	0.0
EAST AFRICA	264.3	2.2	580.5	0.2	0.0	1298.1	1298.1	717.6	0.0
MIDDLE AMERICA	781.8	3.8	2973.8	1.1	169.1	5642.8	5812.0	2838.2	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	1471.1	1471.1	1471.1	0.0
BRAZIL	2446.6	1.3	3137.8	1.1	0.0	6520.8	6520.8	3383.1	0.0
ARGENTINA	5911.8	1.7	10120.6	3.7	0.0	4633.0	4633.0	0.0	5487.6
OTHER S AMERICA	1585.6	1.6	2576.9	0.9	0.0	6990.3	6990.3	4413.4	0.0
DEV-ED REGION	69070.1	2.4	167782.8	61.2	33328.5	71346.4	104674.7	18795.4	81903.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9118.6	787.3
LESS DEV-ED RG	68900.5	1.5	106381.2	38.8	169.1	160998.7	161167.8	60264.3	5487.6
WORLD TOTAL	137970.4	2.0	274164.0	100.0	33497.6	232345.0	265842.4	88178.1	88178.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE II: WHEAT PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	76.12	0.0	0.0	77.65
CANADA	CANADIAN DOLLAR	82.45	68.84	0.0	82.45
EURO SIX	EC UNIT OF ACCT	85.18	81.68	22.69	84.32
EURO THREE	EC UNIT OF ACCT	85.18	88.54	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	89.02	82.59	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	124.13	114.64	0.0	80.95
JAPAN	THOUSAND YEN	43.42	65.44	0.0	84.89
AUST-N ZEALAND	AUST DOLLAR	64.81	63.10	0.0	74.28
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	108.98	0.0	0.0	108.98
EAST ASIA HIGH	DOLLAR EQUIV	108.61	203.43	0.0	86.74
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	82.80
THAILAND	DOLLAR EQUIV	93.46	0.0	0.0	93.46
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	89.45
INDIA	DOLLAR EQUIV	93.33	114.78	0.0	93.09
OTHER S. ASIA	DOLLAR EQUIV	120.38	108.90	0.0	93.09
N.AF.-M.EST HIGH	DOLLAR EQUIV	121.90	110.77	0.0	88.75
N.AF.-M.EST LOW	DOLLAR EQUIV	83.29	97.25	0.0	82.02
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	104.21	89.97	0.0	106.05
MIDDLE AMERICA	DOLLAR EQUIV	136.92	92.23	0.0	87.14
VENEZUELA	DOLLAR EQUIV	82.76	0.0	0.0	0.0
BRAZIL	DOLLAR EQUIV	117.05	118.75	0.0	91.88
ARGENTINA	ARGENTINE PESOS	249.89	249.89	0.0	77.79
OTHER S AMERICA	DOLLAR EQUIV	90.63	119.45	0.0	89.45

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARTATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$58.73; 3-YEAR AVERAGE 1969-70, 71-72; U.S. GULF PORTS, NO. 2 HARD RED WINTER, OPDINARY PROTEIN.
 CANADA: \$83.33; 3-YEAR AVERAGE 1969-70, 71-72; CANADIAN WHEAT BOARD QUOTA, NO. 1-2.
 EURO SIX: \$65.28; 3-YEAR AVERAGE 1969-70, 71-72; C.I.F. ROTTERDAM, ALL CLASSES WHEAT.
 JAPAN: \$65.77; 3-YEAR AVERAGE 1969-70, 71-72; C.I.F. YOKAHAMA, U.S. WESTERN WHITE.
 AUST&N ZEALAND: \$55.16; 3-YEAR AVERAGE 1969-70, 71-72; F.O.B. AUSTRALIAN WHEAT BOARD.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -	- - - - -
UNITED STATES	1103.0	4.5	4947.1	2.6	0.0	1578.6	1578.6	0.0	3368.5
CANADA	0.0	0.0	0.0	0.0	0.0	73.4	73.4	73.4	0.0
EURO SIX	203.4	3.5	725.1	0.4	0.0	738.8	738.8	13.7	0.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	121.0	121.0	121.0	0.0
OTHER W EUROPE	137.1	4.5	616.0	0.3	0.0	617.2	617.2	1.2	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	115.0	115.0	115.0	0.0
JAPAN	2360.8	4.3	10115.9	5.2	0.0	10221.9	10221.9	0.0	0.0
AUST-N ZEALAND	68.8	5.3	361.8	0.2	0.0	80.2	80.2	0.0	281.6
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	271.1	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261.1	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1018.4
INDONESIA	11020.0	1.7	18817.0	9.7	0.0	22037.7	22037.7	3220.7	0.0
EAST ASIA HIGH	2120.6	3.2	6789.8	3.5	0.0	8801.6	8801.6	2011.8	0.0
EAST ASIA LOW	5244.7	1.7	8654.4	4.5	0.0	7608.7	7608.7	0.0	1045.6
THAILAND	9794.2	1.6	15319.5	7.9	0.0	12641.7	12641.7	0.0	2677.7
OTHER SE ASIA	11698.3	1.6	18534.6	9.6	0.0	16085.7	16085.7	0.0	2448.9
INDIA	46870.3	1.3	62216.1	32.1	0.0	64873.7	64873.7	2657.6	0.0
OTHER S. ASIA	16087.4	1.5	23766.9	12.3	0.0	25127.0	25127.0	1360.1	0.0
N.A.F.-WEST HIGH	659.4	2.4	1564.8	0.8	0.0	2865.9	2865.9	0.0	0.0
N.A.F.-WEST LOW	795.7	3.8	3038.6	1.6	0.0	2266.8	2266.8	0.0	0.0
CENTRAL AFRICA	0.0	0.0	4377.7	2.3	0.0	5105.7	5105.7	728.0	0.0
EAST AFRICA	289.7	1.1	308.1	0.2	0.0	383.9	383.9	73.8	0.0
MIDDLE AMERICA	642.2	1.5	971.8	0.5	0.0	1577.1	1577.1	605.3	0.0
VENEZUELA	116.2	1.7	198.6	0.1	0.0	201.9	201.9	3.3	0.0
BRAZIL	8042.5	1.1	9110.2	4.7	0.0	8498.0	8498.0	0.0	612.2
ARGENTINA	142.4	3.1	440.5	0.2	0.0	190.4	190.4	0.0	250.0
OTHER S AMERICA	1349.8	2.1	2820.0	1.5	0.0	2368.7	2368.7	0.0	451.3
DEV-ED REGION	3873.1	4.3	16766.0	8.7	0.0	13546.1	13546.1	324.3	3650.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	532.2	1018.4
LESS DEV-ED RG	114873.3	1.5	176928.1	91.3	0.0	180634.1	180634.1	11963.7	8257.6
WORLD TOTAL	118746.4	1.6	193694.0	100.0	0.0	194180.2	194180.2	12820.2	12926.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE II: RICE PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
DOLLAR EQUIV					
UNITED STATES	US DOLLAR	606.22	0.0	0.0	268.15
CANADA	CANADIAN DOLLAR	324.22	0.0	0.0	324.22
EURO SIX	EC UNIT OF ACCT	336.16	182.00	87.80	245.72
EURO THREE	EC UNIT OF ACCT	335.16	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	253.22	194.22	0.0	253.22
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	274.22
JAPAN	THOUSAND YEN	239.20	255.89	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	229.82	75.55	0.0	256.21
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	252.22	252.22	0.0	256.77
EAST ASIA HIGH	DOLLAR EQUIV	260.61	205.15	0.0	245.22
EAST ASIA LOW	DOLLAR EQUIV	0.0	156.22	0.0	210.22
THAILAND	DOLLAR EQUIV	158.47	152.97	0.0	244.22
OTHER SE ASIA	DOLLAR EQUIV	192.22	90.61	0.0	195.22
INDIA	DOLLAR EQUIV	131.49	120.14	0.0	251.67
OTHER S. ASIA	DOLLAR EQUIV	164.49	124.49	0.0	211.22
N.AF.-M.EST HIGH	DOLLAR EQUIV	305.22	145.61	0.0	305.22
N.AF.-M.EST LOW	DOLLAR EQUIV	216.22	0.0	0.0	222.22
CENTRAL AFRICA	DOLLAR EQUIV	216.22	113.61	0.0	213.22
EAST AFRICA	DOLLAR EQUIV	116.63	116.63	0.0	289.22
MIDDLE AMERICA	DOLLAR EQUIV	319.22	391.22	0.0	319.22
VENEZUELA	DOLLAR EQUIV	264.91	230.75	0.0	213.22
BRAZIL	DOLLAR EQUIV	295.22	181.22	0.0	202.22
ARGENTINA	ARGENTINE PESOS	713.06	591.06	0.0	190.15
OTHER S AMERICA	DOLLAR EQUIV	333.22	251.85	0.0	333.22

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$176.98; 3-YEAR AVERAGE 1969-70, 71-72; F.O.B. MILLS, U.S. #2.
 EURO SIX: \$154.50; 3-YEAR AVERAGE 1969-70, 71-72; C.I.F. NORTH SEA PORTS, LONG GRAIN MILLED.
 THAILAND: \$153.00; 3-YEAR AVERAGE 1970-72, F.O.B. BANGKOK, 5% BROKEN POLISHED.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000			PERCENT			1,000 METRIC TONS		
UNITED STATES	28908.5	1.5	43679.4	54.2	19425.3	0.0	19425.3	0.0	24254.0
CANADA	4031.6	0.6	2456.6	3.0	1994.3	0.0	1994.3	0.0	462.2
EURO SIX	0.0	0.0	699.0	0.9	16435.8	0.0	16435.8	15736.8	0.0
EURO THREE	0.0	0.0	697.3	0.9	6496.4	0.0	6496.4	5759.1	0.0
OTHER W EUROPE	702.2	1.7	1222.2	1.5	5012.0	0.0	5012.0	3789.8	0.0
SOUTH AFRICA	0.0	0.0	933.3	1.2	702.8	0.0	702.8	0.0	230.6
JAPAN	0.0	0.0	1224.5	1.5	8784.4	577.7	9362.1	8137.6	0.0
AUST-N ZEALAND	464.5	0.4	180.8	0.2	0.0	194.6	194.6	13.8	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5477.2	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4761.2	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
INDONESIA	1266.9	0.6	725.3	0.9	0.0	333.3	333.3	0.0	392.0
EAST ASIA HIGH	519.5	0.4	188.6	0.2	1378.9	0.0	1378.9	1190.3	0.0
EAST ASIA LOW	0.0	0.0	514.8	0.6	0.0	0.0	0.0	0.0	514.8
INDIA	20843.1	3.3	5361.6	6.7	3899.1	0.0	3899.1	0.0	1462.4
N.A.F.-M.-EST HIGH	0.0	0.0	0.0	0.0	603.5	0.0	603.5	603.5	0.0
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1982.3
MIDDLE AMERICA	672.6	1.5	1007.6	1.3	1625.8	0.0	1625.8	618.2	0.0
BRAZIL	14623.5	1.1	15740.2	19.5	2391.3	0.0	2391.3	0.0	13346.9
ARGENTINA	3203.8	0.5	1622.1	2.0	0.0	0.0	256.7	0.0	1365.5
OTHER S AMERICA	489.8	8.8	4313.7	5.4	514.8	0.0	514.8	0.0	3798.9
DEV-ED REGION	34106.8	1.5	51093.0	63.4	58851.0	772.3	59623.3	33477.1	24946.8
CENTRAL PLAN' RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10739.4	0.0
LESS DEV-ED RG	41621.1	0.7	29473.9	36.6	10413.4	590.0	11003.4	2412.0	22864.7
WORLD TOTAL	75727.9	1.1	80566.8	100.0	69264.3	1362.3	70626.6	46627.5	47811.5

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE II: OILMEAL PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
- - - REGIONAL CURRENCY - - -					
DOLLAR EQUIV					
UNITED STATES	US DOLLAR	117.18	0.0	0.0	130.33
CANADA	CANADIAN DOLLAR	150.66	133.33	0.0	150.66
EURO SIX	EC UNIT OF ACCT	134.00	0.0	0.0	134.00
EURO THREE	EC UNIT OF ACCT	139.00	139.00	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	139.00	139.00	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	122.03
JAPAN	THOUSAND YEN	63.45	63.45	0.0	177.42
AUST-N ZEALAND	AUST DOLLAR	159.83	159.83	0.0	144.03
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	87.68	87.68	0.0	87.68
EAST ASIA HIGH	DOLLAR EQUIV	140.54	140.54	0.0	140.54
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	87.68
INDIA	DOLLAR EQUIV	116.37	116.37	0.0	116.37
N.A.F.-M.EST HIGH	DOLLAR EQUIV	140.33	0.0	0.0	140.33
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	122.53
MIDDLE AMERICA	DOLLAR EQUIV	176.14	176.14	0.0	176.14
BRAZIL	DOLLAR EQUIV	115.73	100.19	0.0	115.73
ARGENTINA	ARGENTINE PESOS	363.11	363.11	0.0	96.83
OTHER S AMERICA	DOLLAR EQUIV	127.64	127.64	0.0	127.64

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$98.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, DECATUR, SOYBEAN MEAL, 44 PERCENT PROTEIN, PLUS FOB EXPORT MARGIN.
 EURO SIX: \$101.97; 3-YEAR AVERAGE 1969-71; CIF EUROPEAN PORTS, U.S. BULK, 44 PERCENT PROTEIN.
 JAPAN: \$145.39; 3-YEAR AVERAGE 1969-71; WHOLESALE SOYBEAN PRICE PAID BY EIGHT MANUFACTURERS.

1985 ALTERNATIVE II: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	58478.6	25.1	0.0	0.0	0.0	0.0	0.0
CANADA	9908.2	4.2	0.0	0.0	0.0	0.0	0.0
EURO SIX	85620.9	36.7	0.0	0.0	0.0	0.0	0.0
EURO THREE	21608.8	9.3	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	27530.7	11.8	0.0	0.0	0.0	0.0	0.0
JAPAN	10122.5	4.3	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	20016.1	8.6	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	233285.5	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	233285.5	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: MILK PRODUCTS PRICES

APRIL 1979

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	128.93	0.0	0.0
CANADA	CANADIAN DOLLAR	0.0	129.08	0.0	0.0
EURO SIX	EC UNIT OF ACCT	0.0	108.22	0.0	0.0
EURO THREE	EC UNIT OF ACCT	0.0	108.22	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	0.0	134.92	0.0	0.0
JAPAN	THOUSAND YEN	0.0	59.64	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	78.78	0.0	0.0

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SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES:

\$122.57; 3-YEAR AVERAGE 1969-71; WEIGHTED AVERAGE PRICE FOR MANUFACTURING GRADE AND GRADE A MILK ELIGIBLE FOR FLUID USE.

EURO SIX:

UA 103; @ YEAR AVERAGE 1968-69,70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT DELIVERED. AUST & N.ZEALAND: AUST. \$35; 3-YEAR AVERAGE 1969-71; PRODUCER PRICE OF MILK EQUIVALENT PAID AT DAIRY.

1985 ALTERNATIVE II: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -
UNITED STATES	6.0	0.0	0.0	35328.1	35328.1	0.0	0.0
CANADA	0.0	0.0	0.0	4336.1	4336.1	0.0	0.0
EURO SIX	0.0	0.0	0.0	38224.7	38224.7	0.0	0.0
EURO THREE	0.0	0.0	0.0	13954.1	13954.1	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	17559.8	17559.8	0.0	0.0
JAPAN	0.0	0.0	0.0	9567.6	9567.6	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	3969.4	3969.4	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	122939.7	122939.7	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	122939.7	122939.7	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: FLUID MILK PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- -- REGIONAL CURRENCY -- --			
					DOLLAR EQUIV
UNITED STATES	US DOLLAR	137.31	0.0	0.0	0.0
CANADA	CANADIAN DOLLAR	146.17	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	108.22	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	111.22	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	227.48	0.0	0.0	0.0
JAPAN	THOUSAND YEN	151.51	0.0	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	163.39	0.0	0.0	0.0

SELECTED DEMAND PRICES FOR THE BASE PERIOD ARE PRESENTED IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$133.75; 3-YEAR AVERAGE 1969-71; AVERAGE PRICE FOR MILK ELIGIBLE FOR FLUID USE (GRADE A).
 EURO SIX: UA 103; 3-YEAR AVERAGE 1968-69, 70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT, DELIVERED.
 AUST & N.ZEALAND: AUST. \$97.59; 3-YEAR AVERAGE 1969-71; UNIT WHOLESALE (GROSS) VALUE FOR FLUID MILK.

1985 ALTERNATIVE II: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	521.0	17.2	0.0	521.0	521.0	0.0	0.0
CANADA	166.4	5.5	0.0	127.2	127.2	0.0	39.2
EURO SIX	1192.9	39.3	0.0	1409.0	1409.0	216.1	0.0
EURO THREE	225.0	7.4	0.0	319.9	319.9	94.8	0.0
OTHER W EUROPE	185.9	6.1	0.0	313.1	313.1	127.2	0.0
JAPAN	7.9	0.3	0.0	122.9	122.9	115.0	0.0
AUST-N ZEALAND	737.2	24.3	0.0	168.1	168.1	0.0	569.2
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	55.3	0.0
DEV-ED REGION	3036.5	100.0	0.0	2981.2	2981.2	553.1	608.4
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	55.3	0.0
WORLD TOTAL	3036.5	100.0	0.0	2981.2	2981.2	608.4	608.4

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: BUTTER PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1675.19	110.90	0.0	0.0
CANADA	CANADIAN DOLLAR	1846.14	120.70	0.0	1531.27
EURO SIX	EC UNIT OF ACCT	1865.80	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	1865.80	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	2089.27	0.0	0.0	2089.27
JAPAN	THOUSAND YEN	945.61	0.0	0.0	1492.27
AUST-N ZEALAND	AUST DOLLAR	1791.44	77.70	0.0	1502.27
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 IN VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE: \$1,785; 3-YEAR AVERAGE 1969-71; FINLAND, WHOLESALE PRICE.
 AUST & N.ZEALAND: \$698; 3-YEAR AVERAGE 1969-71; NEW ZEALAND, EXPORT UNIT VALUE.

1985 ALTERNATIVE II: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	1344.9	24.2	0.0	1558.8	1558.8	213.9	0.0
CANADA	151.9	2.7	0.0	191.4	191.4	39.4	0.0
EURO SIX	2820.0	50.7	0.0	2639.8	2639.8	0.0	180.2
EURO THREE	323.6	5.8	0.0	240.8	240.8	0.0	82.7
OTHER W EUROPE	735.9	13.2	0.0	646.2	646.2	0.0	89.7
JAPAN	37.1	0.7	0.0	166.4	166.4	129.3	0.0
AUST-N ZEALAND	152.4	2.7	0.0	103.4	103.4	0.0	49.0
DEV-ED REGION	5565.8	100.0	0.0	5546.9	5546.9	382.7	401.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	5565.8	100.0	0.0	5546.9	5546.9	382.7	401.6

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: CHEESE PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1151.27	97.21	0.0	1282.53
CANADA	CANADIAN DOLLAR	1089.27	98.52	0.0	1121.53
EURO SIX	EC UNIT OF ACCT	1485.11	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	1485.11	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1386.53	1386.53	0.0	1445.53
JAPAN	THOUSAND YEN	570.85	0.0	0.0	499.53
AUST-N ZEALAND	AUST DOLLAR	562.81	30.96	0.0	504.53

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE: \$1,555; 3-YEAR AVERAGE 1969-71; SWITZERLAND, WHOLESALE PRICE.

1985 ALTERNATIVE II: TOTAL MEAT UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT					
UNITED STATES	27925.5	35.3	0.0	26989.9	26989.9	301.1	854.1
CANADA	3072.6	3.9	0.0	2995.4	2995.4	0.0	75.4
EURO SIX	17033.7	21.5	0.0	18392.7	18392.7	1602.3	243.2
EURO THREE	5723.9	7.2	0.0	5886.8	5886.8	446.0	283.1
OTHER W EUROPE	5239.9	6.6	0.0	6228.7	6228.7	895.5	0.0
JAPAN	4396.0	5.6	0.0	5895.1	5895.1	1464.2	0.0
AUST-N ZEALAND	4769.2	6.0	0.0	1985.7	1985.7	0.0	2493.1
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	232.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	16.4	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	2394.4	3.0	0.0	2369.1	2369.1	165.7	191.0
BRAZIL	4466.1	5.6	0.0	4561.3	4561.3	96.9	0.0
ARGENTINA	4164.4	5.3	0.0	2747.3	2747.3	0.0	1409.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	813.2	0.0
DEV-ED REGION	58160.6	86.1	0.0	68374.3	68374.3	4709.1	3948.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	16.4	345.8
LESS DEV-ED RG	11024.9	13.9	0.0	9677.7	9677.7	1075.8	1600.1
WORLD TOTAL	79185.5	100.0	0.0	78051.9	78051.9	5801.3	5894.0

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: BEEF AND VEAL UTILIZATION

APRIL 1978

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	PERCENT				1,000 METRIC TONS		
UNITED STATES	13382.7	36.4	0.0	13527.6	13527.6	193.6	48.7
CANADA	1530.3	4.2	0.0	1502.8	1502.8	0.0	27.4
EURO SIX	5925.2	16.1	0.0	7463.6	7463.6	1538.4	0.0
EURO THREE	2092.6	5.7	0.0	1809.5	1809.5	0.0	283.1
OTHER W EUROPE	1685.5	4.6	0.0	2239.4	2239.4	553.9	0.0
JAPAN	928.0	2.5	0.0	1582.6	1582.6	654.6	0.0
AUST-N ZEALAND	2391.6	6.5	0.0	961.0	961.0	0.0	1430.5
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	148.4
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	16.4	0.0
MIDDLE AMERICA	1802.2	4.9	0.0	1611.2	1611.2	0.0	191.0
BRAZIL	3380.2	9.2	0.0	3477.1	3477.1	96.9	0.0
ARGENTINA	3681.3	10.0	0.0	2285.6	2285.6	0.0	1395.7
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	422.5	0.0
DEV-ED REGION	27935.9	75.9	0.0	29086.5	29086.5	2940.4	1789.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	16.4	148.4
LESS DEV-ED RG	8863.6	24.1	0.0	7373.9	7373.9	519.4	1586.7
WORLD TOTAL	36799.5	100.0	0.0	36460.4	36460.4	3476.2	3524.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: BEEF AND VEAL PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
					DOLLAR EQUIV
UNITED STATES	US DOLLAR	2640.59	959.68	0.0	1731.59
CANADA	CANADIAN DOLLAR	967.68	967.68	0.0	967.68
EURO SIX	EC UNIT OF ACCT	1393.30	851.39	61.61	1082.68
EURO THREE	EC UNIT OF ACCT	1393.30	1393.30	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1393.30	849.74	0.0	0.0
JAPAN	THOUSAND YEN	1549.39	481.65	0.0	1282.07
AUST-N ZEALAND	AUST DOLLAR	851.35	851.35	0.0	1481.59
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	1032.68	1032.68	0.0	1032.68
BRAZIL	DOLLAR EQUIV	914.68	914.68	0.0	914.68
ARGENTINA	ARGENTINE PESOS	3291.37	1543.19	0.0	1542.59
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,289; 3-YEAR AVERAGE 1969-71; CHICAGO; FROZEN BEEF, IMPORTED, 90 PERCENT LEAN.
 EURO THREE: \$843; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, LIVERPOOL, WHOLESALE PRICE FOR SIDES, BULLOCKS, AND HEIFERS (ROUGHLY COMPARABLE TO U.S. GOOD).
 AUST & N.ZEALAND: \$1039; 3-YEAR AVERAGE 1969-71; EXPORT UNIT VALUE TO U.S.; BONELESS, CHILLED, OR FROZEN.
 ARGENTINA: \$285.60; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, BUENOS AIRES, STEERS, LIVELWEIGHT, JUNTA NACIONAL DE CARNES. THE PROJECTED TRADE PRICE FOR 1985 IS FOR BONELESS FROZEN, COMPARABLE TO AUST-N ZEALAND PRICE WITH TAX DIFFERENTIAL. 1969-1971 WERE TRANSITION YEARS FOR ARGENTINA.

1985 ALTERNATIVE II: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	-- -- -- -- -- 1,000 METRIC TONS -- -- -- -- --				
UNITED STATES	7269.8	30.0	0.0	6464.4	6464.4	0.0	805.4
CANADA	785.5	3.2	0.0	737.6	737.6	0.0	48.0
EURO SIX	7168.2	29.6	0.0	6984.7	6984.7	0.0	183.5
EURO THREE	2438.7	10.1	0.0	2489.7	2489.7	51.0	0.0
OTHER W EUROPE	2063.7	8.5	0.0	2347.0	2347.0	263.3	0.0
JAPAN	2282.0	9.4	0.0	2771.0	2771.0	489.0	0.0
AUST-N ZEALAND	262.6	1.1	0.0	256.5	256.5	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	83.6
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	592.2	2.4	0.0	757.9	757.9	165.7	0.0
BRAZIL	1085.9	4.5	0.0	1084.2	1084.2	0.0	0.0
ARGENTINA	294.0	1.2	0.0	286.0	286.0	0.0	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	244.5	0.0
DEV-ED REGION	22270.6	91.9	0.0	22050.8	22050.8	823.2	1936.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	196.6
LESS DEV-ED RG	1972.1	8.1	0.0	2128.1	2128.1	410.2	0.0
WORLD TOTAL	24242.8	100.0	0.0	24178.9	24178.9	1233.4	1233.4

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: PORK PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	2167.66	681.07	0.0	2091.66
CANADA	CANADIAN DOLLAR	1008.60	1008.60	0.0	1008.60
EURO SIX	EC UNIT OF ACCT	1045.35	865.26	100.84	915.79
EURO THREE	EC UNIT OF ACCT	1045.35	1045.35	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1045.35	864.02	0.0	0.0
JAPAN	THOUSAND YEN	996.96	259.74	0.0	1598.24
AUST-N ZEALAND	AUST DOLLAR	1053.19	1053.19	0.0	0.0
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	1272.60	1272.60	0.0	1272.60
BRAZIL	DOLLAR EQUIV	1121.40	1121.40	0.0	0.0
ARGENTINA	ARGENTINE PESOS	1223.50	1223.50	0.0	0.0
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1.564; 3-YEAR AVERAGE 1969-71; UNIT VALUE, HAMS, SHOULDERS, CANNED, IMPORTED, AVERAGE U.S.

EURO SIX: \$586; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE MINUS VARIABLE LEVY, WEST GERMANY, PURCHASE PRICE OF SLAUGHTER HALVES (PORK SIDES, CARCASS).

EURO THREE: \$836; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, LONDON (SMITHFIELD), IMPORTED DANISH BACON.

1985 ALTERNATIVE II: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	- - - - - 1,000 METRIC TONS	- - - - -	- - - - -
UNITED STATES	7272.9	47.3	0.0	6997.9	6997.9	0.0	0.0
CANADA	756.8	4.9	0.0	755.0	755.0	0.0	0.0
EURO SIX	3744.0	24.4	0.0	3684.2	3684.2	0.0	59.7
EURO THREE	931.2	6.1	0.0	946.9	946.9	15.7	0.0
OTHER W EUROPE	1186.7	7.7	0.0	1280.1	1280.1	0.0	0.0
JAPAN	1186.0	7.7	0.0	1220.9	1220.9	0.0	0.0
AUST-N ZEALAND	284.2	1.9	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	15361.8	100.0	0.0	14885.0	14885.0	15.7	59.7
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	15361.8	100.0	0.0	14885.0	14885.0	15.7	59.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: POULTRY PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1186.61	867.61	0.0	0.0
CANADA	CANADIAN DOLLAR	630.65	630.65	0.0	0.0
EURO SIX	EC UNIT OF ACCT	888.60	613.67	0.0	0.0
EURO THREE	EC UNIT OF ACCT	854.14	854.14	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	644.06	441.91	0.0	0.0
JAPAN	THOUSAND YEN	987.79	351.45	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	0.0	0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$633; 3-YEAR AVERAGE 1969-71; COMPOSITE OF GRADE A BROILERS AND FROZEN READY-TO-COOK TURKEYS.
 EURO SIX: UA 490; 3-YEAR AVERAGE 1969-71; BELGIUM-DEYNZE MARKET, CHICKENS FOR ROASTING, LIVELWEIGHT.
 EURO THREE: UA 560; 3-YEAR AVERAGE 1969-71; BIRMINGHAM, BRISTOL, LONDON AND MANCHESTER MARKET AVERAGE,
 BROILERS, GOOD QUALITY, WHOLESALE SLAUGHTER.

1985 ALTERNATIVE II: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	0.0	0.0	0.0	0.0	0.0	107.5	0.0
EURO SIX	196.3	7.1	0.0	260.2	260.2	63.9	0.0
EURO THREE	261.4	9.4	0.0	640.8	640.8	379.3	0.0
OTHER W EUROPE	303.9	10.9	0.0	362.3	362.3	58.4	0.0
JAPAN	0.0	0.0	0.0	320.6	320.6	320.6	0.0
AUST-N ZEALAND	1830.8	65.8	0.0	768.2	768.2	0.0	1062.6
ARGENTINA	189.1	6.8	0.0	175.7	175.7	0.0	13.4
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	146.3	0.0
DEV-ED REGION	2592.5	93.2	0.0	2352.0	2352.0	929.7	1062.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	189.1	6.8	0.0	175.7	175.7	146.3	13.4
WORLD TOTAL	2781.6	100.0	0.0	2527.7	2527.7	1076.0	1076.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE II: LAMB AND MUTTON PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	1005.24	1005.24	0.0	704.26
EURO THREE	EC UNIT OF ACCT	1005.24	1005.24	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1005.24	1005.24	0.0	0.0
JAPAN	THOUSAND YEN	154.67	0.0	0.0	432.26
AUST-N ZEALAND	AUST DOLLAR	373.66	373.66	0.0	416.56
ARGENTINA	ARGENTINE PESOS	1720.47	1720.47	0.0	458.79
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

EURO THREE SUPPLY: UA 698; 3-YEAR AVERAGE 1969-71; LONDON (SMITHFIELD); NEW ZEALAND, FROZEN CARCASS, WHOLESALE.
 JAPAN TRADE: \$426; 3-YEAR AVERAGE 1969-71; UNIT VALUES OF IMPORTS.
 AUST & N.ZEALAND: \$410.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, SYDNEY (HOMEBUSH), LAMB,
 29-36 LB., FIRST AND SECOND EXPORT QUALITY, DRESSED WEIGHT BASIS.

1985 ALTERNATIVE I-A: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000		1,000	PERCENT			1,000 METRIC TONS		
UNITED STATES	57421.2	4.5	259767.9	27.1	174862.6	35802.9	210665.4	0.0	49102.4
CANADA	17123.4	2.8	47474.3	5.0	22290.7	5036.3	27386.9	75.7	20163.0
EURO SIX	21917.9	4.7	104040.5	10.9	68899.4	34545.1	103444.5	2546.8	3142.8
EURO THREE	6593.3	4.5	29741.2	3.1	23018.6	10034.8	33053.4	3626.0	313.8
OTHER W EUROPE	14999.1	2.8	42446.6	4.4	27437.7	14385.1	41822.8	110.7	734.5
SOUTH AFRICA	8211.0	1.7	14104.5	1.5	3820.9	7637.0	11457.9	117.7	2764.3
JAPAN	2691.8	4.1	11123.9	1.2	23719.4	21313.7	45033.1	33803.2	0.0
AUST-N ZEALAND	15191.3	1.5	22947.3	2.4	4767.0	3801.4	8568.4	0.0	14378.9
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3608.2	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4217.1	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4161.8	895.4
INDONESIA	13135.6	1.7	22483.4	2.3	0.0	25749.0	25749.0	3725.5	464.9
EAST ASIA HIGH	3277.8	2.9	9403.0	1.0	3115.4	17473.9	20589.3	1186.3	0.0
EAST ASIA LOW	9094.1	1.4	11734.4	1.2	156.5	13072.5	13229.0	1585.5	90.9
THAILAND	10059.5	1.7	17408.5	1.8	0.0	12852.3	12852.3	128.3	4684.5
OTHER SE ASIA	11221.1	1.7	18551.4	1.9	813.7	16628.2	17442.0	442.7	1552.2
INDIA	116032.4	1.2	134900.0	14.1	3164.3	133618.5	136782.8	2471.1	598.2
OTHER S. ASIA	24974.7	1.5	36845.7	3.8	0.0	40138.0	40138.0	3292.3	0.0
N.AF.-M.EAST HIGH	13345.8	1.1	14855.8	1.6	1581.2	24583.6	26164.8	11309.0	0.0
N.AF.-M.EAST LOW	25785.9	1.6	42413.5	4.4	6750.1	45780.0	52530.1	10706.4	594.9
CENTRAL AFRICA	0.0	0.0	8490.7	0.9	0.0	11149.8	11149.8	2659.1	0.0
EAST AFRICA	6555.9	1.4	9359.1	1.0	178.7	11512.1	11690.7	2331.7	0.0
MIDDLE AMERICA	13692.4	1.8	24113.0	2.5	5300.4	22634.0	28134.4	4021.5	0.0
VENEZUELA	771.4	1.5	1202.7	0.1	512.0	2588.9	3100.9	1898.2	0.0
BRAZIL	24188.4	1.6	37787.6	3.9	18494.4	20604.3	39098.7	3385.7	2074.7
ARGENTINA	13422.1	2.0	26846.8	2.8	6136.4	6560.1	12746.5	0.0	14100.2
OTHER S.AMERICA	5938.0	1.7	10087.8	1.1	2484.3	11742.7	14227.0	4867.3	728.1
DEV-ED REGION	144148.9	3.7	531645.8	55.3	348816.1	132616.2	481432.3	40280.1	90599.6
CENTRAL PLAN. RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11987.1	895.4
LESS DEV-ED RG	290494.7	1.5	426492.8	44.5	48737.4	41687.1	465624.4	64010.5	24888.6
WORLD TOTAL	434643.2	2.2	958138.3	100.0	397553.1	549503.0	947056.1	116277.6	116383.7

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I-A: COARSE GRAINS UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	36425.7	5.6	204344.6	38.8	167265.2	16682.7	183948.0	0.0	20396.6
CANADA	8743.9	3.1	27496.5	5.2	19063.8	2393.1	21366.9	0.0	6129.6
EURO SIX	13373.2	4.9	64862.6	12.3	56352.6	10946.1	67338.7	2476.1	0.0
EURO THREE	5199.9	4.5	23503.0	4.5	18706.3	4282.9	23189.3	0.0	313.0
OTHER W EUROPE	9294.0	3.2	29759.8	5.6	24863.7	4242.4	29106.0	0.0	653.8
SOUTH AFRICA	5908.9	2.0	11825.3	2.3	3823.9	5409.3	9230.3	0.0	2655.0
JAPAN	190.3	2.9	542.4	0.1	23719.4	2561.3	26280.7	25738.3	0.0
AUST-N ZEALAND	5215.1	1.6	8447.9	1.6	3393.7	1168.2	4561.9	0.0	3846.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2978.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3515.4	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207.4	0.0
INDONESIA	2960.9	1.8	5218.8	1.0	0.0	4753.9	4753.9	0.0	464.9
EAST ASIA HIGH	992.4	2.3	2296.0	0.4	3115.4	2459.9	5575.3	3279.3	0.0
EAST ASIA LOW	3348.3	1.2	3898.5	0.7	156.5	3651.0	3807.5	0.0	90.9
THAILAND	1190.7	3.1	3671.7	0.7	0.0	459.6	459.6	0.0	3212.1
OTHER SE ASIA	0.0	0.0	1126.9	0.2	813.7	122.8	936.5	0.0	190.4
INDIA	46057.1	0.4	35252.8	6.7	3164.3	33578.6	36742.9	1490.1	0.0
OTHER S. ASIA	1911.5	0.8	1462.3	0.3	0.0	1484.8	1484.8	22.4	0.0
N.A.F.-M.EST HIGH	3124.6	1.0	3096.4	0.6	1581.2	4851.2	6432.4	3336.0	0.0
N.A.F.-M.EST LOW	9678.0	1.8	17445.7	3.3	6750.1	14127.3	20677.4	3431.7	0.0
CENTRAL AFRICA	0.0	0.0	3525.0	0.7	0.0	3525.0	3525.0	0.0	0.0
EAST AFRICA	6037.3	1.4	8528.5	1.6	178.7	9904.1	10082.8	1554.3	0.0
MIDDLE AMERICA	12360.6	1.7	20489.7	3.9	5138.6	16374.2	21512.6	1023.1	0.0
VENEZUELA	668.5	1.5	1024.6	0.2	512.0	1196.2	1708.2	683.7	0.0
BRAZIL	14639.7	1.8	26444.4	5.1	18494.4	6266.8	24761.1	0.0	1083.2
ARGENTINA	8283.1	2.1	17777.7	3.4	6186.4	1437.4	7623.9	0.0	10153.8
OTHER S AMERICA	3065.6	1.6	4839.0	0.9	2484.3	3556.1	6040.4	1201.4	0.0
DEV-ED REGION	68350.8	4.4	376842.0	70.3	317385.4	47636.1	365021.6	28214.4	34134.8
CENTRAL PLAN RG	0.0	0.0	6.0	0.0	0.0	0.0	0.0	5793.7	0.0
LESS DEV-ED RG	114318.1	1.4	156297.5	29.7	48575.6	107748.6	156324.1	16022.0	15995.4
WORLD TOTAL	198668.7	2.7	527137.3	100.0	365969.6	155384.6	521345.2	50030.2	50030.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS. STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I-A: WHEAT UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000			PERCENT			1,000 METRIC TONS		
UNITED STATES	20043.9	2.5	51100.1	20.6	7597.3	17547.5	25144.8	0.0	25955.3
CANADA	8379.5	2.4	19977.8	8.1	3226.9	2717.5	5944.4	0.0	14133.4
EURO SIX	8349.0	4.6	38504.8	15.5	12546.9	22815.2	35362.1	0.0	3142.8
EURO THREE	1393.5	4.5	6238.1	2.5	4112.3	5623.6	9735.9	3497.8	0.0
OTHER W EUROPE	5575.6	2.2	12127.1	4.9	2574.0	9472.3	12046.4	0.0	80.7
SOUTH AFRICA	2302.2	1.0	2219.2	0.9	0.0	2110.0	2110.0	0.0	109.3
JAPAN	126.0	2.8	350.3	0.1	0.0	8415.2	8415.2	8064.9	0.0
AUST-N ZEALAND	9908.4	1.4	14146.2	5.7	1373.2	2552.1	3925.4	0.0	10220.4
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1223.3	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	413.8	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3961.4	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	2427.8	2427.8	2427.8	0.0
EAST ASIA HIGH	201.2	2.4	485.1	0.2	0.0	6461.5	6461.5	5976.4	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1577.7	1577.7	1577.7	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	128.3	128.3	128.3	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	442.7	442.7	442.7	0.0
INDIA	24836.2	1.6	39943.1	16.1	0.0	39360.8	39360.8	0.0	598.2
OTHER S. ASIA	7153.2	1.7	11916.9	4.8	0.0	14801.5	14801.5	2884.6	0.0
N.AF.-WEST HIGH	9613.2	1.1	10323.6	4.2	0.0	17272.3	17272.3	6948.7	0.0
N.AF.-WEST LOW	15370.9	1.4	22255.8	9.0	0.0	29530.5	29530.5	7274.7	0.0
CENTRAL AFRICA	0.0	0.0	769.0	0.3	0.0	2423.9	2423.9	1654.9	0.0
EAST AFRICA	251.7	2.2	552.6	0.2	0.0	1241.0	1241.0	688.5	0.0
MIDDLE AMERICA	719.2	3.8	2703.6	1.1	161.9	5039.2	5201.1	2499.5	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	1211.8	1211.8	1211.8	0.0
BRAZIL	2465.3	1.3	3147.4	1.3	0.0	6533.1	6533.1	3385.7	0.0
ARGENTINA	5020.0	1.7	8721.1	3.5	0.0	4933.2	4933.2	0.0	3747.9
OTHER S AMERICA	1547.0	1.6	2509.7	1.0	0.0	6175.6	6175.6	3665.9	0.0
DEV-ED REGION	56077.9	2.6	144663.4	58.3	31430.7	71253.2	102683.9	11562.5	53542.2
CENTRAL PLAN. RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5598.5	0.0
LESS DEV-ED RG	67177.9	1.5	103331.6	41.7	161.9	139560.8	139722.6	40767.3	4346.1
WORLD TOTAL	123255.5	2.0	247994.8	100.0	31592.6	210813.8	242406.2	57928.3	57928.4

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT	- - - - -	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -
UNITED STATES	951.5	4.5	4323.2	2.4	0.0	1572.6	1572.6	0.0	2750.5
CANADA	0.0	0.0	0.0	0.0	0.0	75.7	75.7	75.7	0.0
EURO SIX	195.8	3.4	673.1	0.4	0.0	743.8	743.8	70.8	0.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	124.3	124.3	124.3	0.0
OTHER W EUROPE	129.5	4.3	559.8	0.3	0.0	670.5	670.5	110.7	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	117.7	117.7	117.7	0.0
JAPAN	2375.6	4.3	10231.2	5.6	0.2	10337.2	10337.2	0.0	0.0
AUST-N ZEALAND	67.9	5.2	353.2	0.2	0.0	81.1	81.1	0.0	272.1
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	307.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	287.9	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	895.4
INDONESIA	10174.7	1.7	17259.6	9.4	0.0	18567.4	18567.4	1297.7	9.0
EAST ASIA HIGH	2024.1	3.2	6622.0	3.6	0.0	8552.5	8552.5	1930.5	0.0
EAST ASIA LOW	4745.8	1.7	7836.0	4.3	0.0	7843.7	7843.7	7.8	0.0
THAILAND	6868.7	1.5	13736.9	7.5	0.0	12264.5	12264.5	0.0	1472.4
OTHER SE ASIA	11221.1	1.6	17424.5	9.5	0.0	16062.7	16062.7	0.0	1361.8
INDIA	45139.2	1.3	59698.2	32.6	0.0	60679.2	60679.2	981.0	0.0
OTHER S. ASIA	15910.0	1.5	23466.5	12.8	0.0	23851.7	23851.7	385.2	0.0
N.AF.-WEST HIGH	608.1	2.4	1435.8	0.8	0.0	2460.1	2460.1	1024.3	0.0
N.AF.-WEST LOW	737.1	3.7	2717.0	1.5	0.0	2122.1	2122.1	0.0	594.9
CENTRAL AFRICA	0.0	0.0	4196.7	2.3	0.0	5200.9	5200.9	1004.2	0.0
EAST AFRICA	267.0	1.0	278.0	0.2	0.0	366.9	366.9	88.9	0.0
MIDDLE AMERICA	612.5	1.5	921.7	0.5	0.0	1420.6	1420.6	498.8	0.0
VENEZUELA	102.9	1.7	178.2	0.1	0.0	180.9	180.9	2.8	0.0
BRAZIL	7083.4	1.1	7995.9	4.4	0.0	7804.5	7804.5	0.0	191.4
ARGENTINA	119.0	2.9	348.0	0.2	0.0	189.4	189.4	0.0	158.5
OTHER S AMERICA	1325.4	2.1	2739.1	1.5	0.0	2011.0	2011.0	0.0	728.1
DEV-ED REGION	3720.3	4.3	16140.5	8.8	0.0	13726.9	13726.9	503.1	3022.7
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	895.4
LESS DEV-ED RG	108998.8	1.5	166883.7	91.2	0.0	169577.7	169577.7	7221.2	4507.1
WORLD TOTAL	112719.1	1.6	183004.2	100.0	0.0	183304.6	183304.6	8319.2	8425.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I-A: OILMEAL UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	26626.1	1.7	44871.4	56.0	20233.7	0.0	20233.7	0.0	24637.6
CANADA	3281.1	0.6	2028.1	2.5	1424.7	0.0	1424.7	0.0	603.4
EURO SIX	0.0	0.0	699.0	0.9	19312.9	0.0	19312.9	18613.9	0.0
EURO THREE	0.0	0.0	694.8	0.9	7751.7	0.0	7751.7	7056.9	0.0
OTHER W EUROPE	673.2	1.8	1180.7	1.5	5844.9	0.0	5844.9	4664.2	0.0
SOUTH AFRICA	0.0	0.0	914.8	1.1	714.1	0.0	714.1	0.0	200.6
JAPAN	0.0	0.0	1208.1	1.5	6752.3	596.5	7348.8	6140.7	0.0
AUST-N ZEALAND	416.3	0.4	164.4	0.2	0.0	202.2	202.2	37.8	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4050.1	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2734.1	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
INDONESIA	1103.8	0.6	681.3	0.9	0.0	293.8	293.8	0.0	387.5
EAST ASIA HIGH	497.8	0.4	181.2	0.2	1225.1	0.0	1225.1	1043.9	0.0
EAST ASIA LOW	0.0	0.0	503.7	0.6	0.0	0.0	0.0	0.0	503.7
INDIA	20396.9	0.3	5106.9	6.4	3953.0	0.0	3953.0	0.0	1153.9
N.AF.-M.EST HIGH	0.0	0.0	0.0	0.0	553.7	0.0	553.7	553.7	0.0
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1905.0
MIDDLE AMERICA	677.5	1.5	1004.5	1.3	1563.7	0.0	1563.7	559.2	0.0
BRAZIL	14124.3	1.1	15304.7	19.1	2361.8	0.0	2361.8	0.0	12943.0
ARGENTINA	2803.1	0.5	1398.0	1.7	0.0	277.7	277.7	0.0	1120.2
OTHER S AMERICA	465.2	9.0	4201.4	5.2	517.7	0.0	517.7	0.0	3683.6
DEV-ED REGION	30996.7	1.7	51761.2	64.6	62034.4	798.7	62833.1	36513.6	25441.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7284.1	0.0
LESS DEV-ED RG	40068.5	0.7	28381.6	35.4	10175.0	571.6	10746.6	2156.8	21696.9
WORLD TOTAL	71065.1	1.1	80142.7	100.0	72209.2	1370.3	73579.4	45954.5	47138.5

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS. STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE I-A: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	64645.9	27.4	0.0	0.0	0.0	0.0	0.0
CANADA	10751.6	4.6	0.0	0.0	0.0	0.0	0.0
EURO SIX	87563.8	37.1	0.0	0.0	0.0	0.0	0.0
EURO THREE	21624.6	9.2	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	24570.6	10.4	0.0	0.0	0.0	0.0	0.0
JAPAN	9714.9	4.1	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	17024.4	7.2	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	235895.4	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	235895.4	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	0.0	0.0	0.0	35669.1	35669.1	0.0	0.0
CANADA	0.0	0.0	0.0	4378.6	4378.6	0.0	0.0
EURO SIX	0.0	0.0	0.0	36982.4	36982.4	0.0	0.0
EURO THREE	0.0	0.0	0.0	13661.8	13661.8	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	17329.5	17329.5	0.0	0.0
JAPAN	0.0	0.0	0.0	8445.0	8445.0	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	4019.3	4019.3	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	120545.7	120545.7	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	120545.7	120545.7	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	715.4	21.8	0.0	715.4	715.4	0.0	0.0
CANADA	201.2	6.1	0.0	158.5	158.5	0.0	42.7
EURO SIX	1421.9	43.3	0.0	1308.6	1308.6	0.0	113.3
EURO THREE	251.4	7.7	0.0	263.5	263.5	12.1	0.0
OTHER W EUROPE	85.4	2.6	0.0	352.6	352.6	267.1	0.0
JAPAN	38.5	1.2	0.0	116.6	116.6	78.1	0.0
AUST-N ZEALAND	569.5	17.3	0.0	213.9	213.9	0.0	355.6
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	154.3	0.0
DEV-ED REGION	3283.3	100.0	0.0	3129.0	3129.0	357.3	511.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	154.3	0.0
WORLD TOTAL	3283.3	100.0	0.0	3129.0	3129.0	511.6	511.6

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	1543.2	23.7	0.0	1559.2	1559.2	16.1	0.0
CANADA	151.2	2.8	0.0	188.9	188.9	37.6	0.0
EURO SIX	2529.3	47.1	0.0	2479.8	2479.8	0.0	49.5
EURO THREE	294.0	5.5	0.0	221.0	221.0	0.0	73.0
OTHER W EUROPE	640.9	11.9	0.0	645.7	645.7	4.8	0.0
JAPAN	30.7	0.6	0.0	151.1	151.1	120.4	0.0
AUST-N ZEALAND	181.7	3.4	0.0	106.4	106.4	0.0	75.2
DEV-ED REGION	5371.0	100.0	0.0	5352.1	5352.1	178.9	197.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	5371.0	100.0	0.0	5352.1	5352.1	178.9	197.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: TOTAL MEAT UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT					
UNITED STATES	26773.6	35.3	0.0	27875.8	27875.8	1530.4	53.6
CANADA	3033.3	4.0	0.0	2973.4	2973.4	0.0	59.0
EURO SIX	16933.5	22.3	0.0	17220.6	17220.6	1020.1	733.0
EURO THREE	5582.5	7.4	0.0	5587.4	5587.4	484.3	479.5
OTHER W EUROPE	5151.9	6.8	0.0	5689.7	5689.7	472.6	24.0
JAPAN	3528.6	4.7	0.0	4181.6	4181.6	635.2	16.4
AUST-N ZEALAND	4572.6	6.0	0.0	1998.8	1998.8	0.0	2299.6
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	207.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	28.7	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	2318.0	3.1	0.0	1944.4	1944.4	43.5	417.1
BRASIL	4137.4	5.5	0.0	4370.6	4370.6	234.4	0.1
ARGENTINA	3750.0	4.9	0.0	2779.1	2779.1	0.0	952.8
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	813.2	0.0
DEV-ED REGION	65575.9	86.5	0.0	65527.3	65527.3	4147.6	3665.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	28.7	321.0
LESS DEV-ED RG	10205.4	13.5	0.0	9093.6	9093.6	1091.1	1379.8
WORLD TOTAL	75781.2	100.0	0.0	74620.9	74620.9	5267.4	5365.0

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: BEEF AND VEAL UTILIZATION¹⁾

APRIL 1978

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
		PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	12969.7	36.9	0.0	13743.6	13743.6	827.4	53.6
CANADA	1498.6	4.3	0.0	1439.6	1439.6	6.0	59.0
EURO SIX	6004.8	17.1	0.0	6949.9	6949.9	945.1	0.0
EURO THREE	2101.8	6.0	0.0	1668.1	1668.1	0.0	433.7
OTHER W EUROPE	1635.2	4.7	0.0	2617.3	2617.3	382.2	0.0
JAPAN	641.0	1.8	0.0	992.3	992.3	351.3	0.0
AUST-N ZEALAND	2218.3	6.3	0.0	1016.2	1016.2	0.0	1202.0
FAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	136.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	24.7	0.0
MIDDLE AMERICA	1728.5	4.9	0.0	1311.5	1311.5	0.0	417.0
BRAZIL	3063.2	8.7	0.0	3297.6	3297.6	234.4	0.0
ARGENTINA	3265.1	9.3	0.0	2321.2	2321.2	0.0	943.9
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	422.5	0.0
DEV-ED REGION	27069.3	77.1	0.0	27827.0	27827.0	2506.0	1748.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	29.7	136.0
LESS DEV-ED RG	8056.8	22.9	0.0	6930.3	6930.3	656.9	1360.9
WORLD TOTAL	35126.1	100.0	0.0	34757.4	34757.4	3191.6	3245.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	6740.3	29.1	0.0	7335.7	7335.7	595.4	0.0
CANADA	784.5	3.4	0.0	785.4	785.4	0.0	0.0
EURO SIX	7087.0	30.6	0.0	6473.0	6473.0	0.0	614.0
EURO THREE	2364.1	10.2	0.0	2318.3	2318.3	0.0	45.8
OTHER W EUROPE	2101.9	9.1	0.0	2077.9	2077.9	0.0	24.1
JAPAN	1860.6	8.0	0.0	1844.2	1844.2	0.0	16.4
AUST-N ZEALAND	264.3	1.1	0.0	258.1	258.1	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	71.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	589.5	2.5	0.0	632.0	632.0	43.5	0.0
BRAZIL	1074.1	4.6	0.0	1072.4	1072.4	0.0	0.0
ARGENTINA	297.0	1.3	0.0	288.9	288.9	0.0	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	244.5	0.0
DEV-ED REGION	21202.7	91.5	0.0	21092.5	21092.5	596.3	700.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	184.0
LESS DEV-ED RG	1960.6	8.5	0.0	1994.3	1994.3	288.0	0.0
WORLD TOTAL	23163.2	100.0	0.0	23086.7	23086.7	884.3	864.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	7063.7	47.8	0.0	6796.6	6796.6	0.0	0.0
CANADA	750.2	5.1	0.0	748.4	748.4	0.0	0.0
EURO SIX	3651.2	24.7	0.0	3532.2	3532.2	0.0	119.0
EURO THREE	867.3	5.9	0.0	942.3	942.3	75.0	0.0
OTHER W EUROPE	1135.5	7.7	0.0	1224.8	1224.8	0.0	0.0
JAPAN	1027.0	7.0	0.0	1057.3	1057.3	0.0	0.0
AUST-N ZEALAND	268.0	1.8	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	14762.8	100.0	0.0	14301.5	14301.5	75.0	119.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	14762.8	100.0	0.0	14301.5	14301.5	75.0	119.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE I-A: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	0.0	0.0	0.0	0.0	0.0	107.5	0.0
EURO SIX	190.6	7.0	0.0	265.6	265.6	75.0	0.0
EURO THREE	249.4	9.1	0.0	658.7	658.7	409.3	0.0
OTHER W EUROPE	279.3	10.2	0.0	369.8	369.8	90.5	0.0
JAPAN	0.0	0.0	0.0	287.9	287.9	287.9	0.0
AUST-N ZEALAND	1822.0	66.8	0.0	724.4	724.4	0.0	1097.6
ARGENTINA	182.0	6.9	0.0	169.0	169.0	0.0	18.9
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	146.3	0.0
DEV-ED REGION	2541.2	93.1	0.0	2306.3	2306.3	970.2	1097.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	188.0	6.9	0.0	169.0	169.0	146.3	18.9
WORLD TOTAL	2729.2	100.0	0.0	2475.4	2475.4	1116.5	1116.5

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TUNS PER HECTARE	PRODUCTION METRIC TUNS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	48639.8	4.7	226973.1	24.4	154813.3	36044.5	190857.7	0.0	36121.4
CANADA	16637.6	2.8	46567.1	5.0	20511.0	5312.1	25823.1	74.0	20818.0
EURO SIX	24593.0	4.6	112253.6	12.1	65795.6	34906.9	100602.6	52.0	12307.9
EURO THREE	6554.6	4.5	29411.2	3.2	20629.2	10237.7	30866.8	3422.0	1866.4
OTHER W EUROPE	14507.9	2.8	42013.8	4.5	28209.9	14422.5	40632.4	119.8	1510.2
SOUTH AFRICA	8197.6	1.7	13975.4	1.5	3747.1	7652.3	11395.3	116.1	2695.2
JAPAN	2725.0	4.2	11481.4	1.2	23470.7	21396.0	44866.6	33279.2	0.0
AUST-N ZEALAND	14751.4	1.5	22347.2	2.4	4414.2	3945.6	8359.8	0.0	13987.4
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3526.8	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4309.7	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4206.4	893.9
INDONESIA	13177.0	1.7	22518.1	2.4	0.0	0.0	0.0	3710.2	472.6
EAST ASIA HIGH	3288.4	2.9	9423.8	1.0	3155.7	17467.1	25755.7	11199.0	0.0
EAST ASIA LOW	8086.5	1.4	11721.8	1.3	160.2	13079.2	23622.8	1578.5	60.9
THAILAND	9987.2	1.7	17260.1	1.9	0.0	12851.2	12851.2	128.4	4563.3
OTHER SE ASIA	11215.3	1.7	18534.7	2.0	809.1	16628.5	17437.6	443.4	1340.4
INDIA	116294.6	1.2	135003.1	14.5	3189.3	133787.7	136977.1	2467.3	505.3
OTHER S. ASIA	24957.5	1.5	36817.8	4.0	0.0	40133.6	40133.6	3315.8	0.0
N.AF.-WEST HIGH	13306.0	1.1	14811.1	1.6	1590.0	24624.9	26214.9	11403.9	0.0
N.AF.-WEST LOW	25753.6	1.6	42314.1	4.6	6763.2	45850.4	52633.7	10921.9	602.3
CENTRAL AFRICA	0.0	0.0	6488.5	0.9	0.0	11152.9	11152.9	2664.4	0.0
EAST AFRICA	6444.8	1.4	9187.3	1.0	183.0	11523.6	11706.7	2519.3	0.0
MIDDLE AMERICA	13583.2	1.8	23924.3	2.6	5176.1	22892.8	28068.9	4144.6	0.0
VENEZUELA	770.0	1.6	1193.0	0.1	516.4	2396.8	3113.1	1914.1	0.0
BRAZIL	23565.2	1.6	36861.3	4.0	17580.6	20602.9	38833.5	3473.9	1771.7
ARGENTINA	12996.0	2.0	26031.9	2.6	5967.0	6571.4	12538.4	0.0	13493.5
OTHER S AMERICA	5926.3	1.7	10055.2	1.1	2517.7	11741.5	14279.2	4944.3	730.3
DEV-ED REGION	137216.6	3.7	505035.7	54.3	318861.9	133917.4	452799.2	37063.1	89406.5
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12042.9	893.9
LESS DEV-ED RG	289351.2	1.5	424203.2	45.7	48028.4	417279.6	465307.6	64828.8	23740.4
WORLD TOTAL	426567.4	2.2	929245.6	100.0	366909.9	551196.6	918106.5	113934.7	114040.8

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE III: COARSE GRAINS UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -	- - - - -
UNITED STATES	29500.6	6.0	175609.5	35.2	148200.7	16854.8	165055.5	0.0	10554.3
CANADA	8553.9	3.1	26909.8	5.4	17558.8	2417.5	19976.2	0.0	6933.5
EURO SIX	14749.7	4.7	69158.8	13.8	53246.8	10871.5	64118.3	0.0	5038.5
EURO THREE	5165.0	4.5	23225.2	4.6	16941.3	4317.5	21258.8	0.0	1966.4
OTHER W EUROPE	9234.3	3.2	29445.8	5.9	23745.9	4189.7	27935.6	0.0	1510.2
SOUTH AFRICA	5939.5	2.0	11800.1	2.4	3747.1	5453.3	9200.4	0.0	2599.7
JAPAN	192.1	2.8	544.5	0.1	23470.7	2447.4	25918.0	25373.5	0.0
AUST-N ZEALAND	4908.0	1.6	7983.4	1.6	3139.3	1214.4	4353.7	0.0	3629.7
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1983.4	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3555.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176.3	0.0
INDONESIA	3006.4	1.7	5258.1	1.1	0.0	4785.5	4785.5	0.0	472.6
EAST ASIA HIGH	1000.4	2.3	2309.2	0.5	3155.7	2478.1	5633.8	3324.6	0.0
EAST ASIA LOW	3336.2	1.2	3883.4	0.8	160.2	3672.5	3832.7	0.0	50.7
THAILAND	1179.9	3.1	3633.7	0.7	0.0	460.5	460.5	0.0	3173.2
OTHER SE ASIA	0.0	0.0	1123.8	0.2	809.1	122.8	931.9	0.0	191.9
INDIA	46298.1	0.8	35369.7	7.1	3189.3	33687.1	36876.4	1506.7	0.0
OTHER S. ASIA	1913.8	0.8	1463.1	0.3	0.0	1486.8	1486.8	23.7	0.0
N.AF.-M.EST HIGH	3121.9	1.0	3089.7	0.6	1590.0	4858.9	6448.9	3359.2	0.0
N.AF.-M.EST LOW	9682.8	1.8	17420.9	3.5	6783.2	14190.3	20973.5	3552.7	0.0
CENTRAL AFRICA	0.0	0.0	3525.0	0.7	0.0	3525.0	3525.0	0.0	0.0
EAST AFRICA	5931.3	1.4	8364.6	1.7	183.0	9919.0	10102.0	1737.4	0.0
MIDDLE AMERICA	12260.2	1.7	20329.9	4.1	5018.0	16434.6	21452.7	1122.7	0.0
VENEZUELA	665.8	1.5	1013.6	0.2	516.4	1201.5	1717.8	698.3	0.0
BRAZIL	14223.0	1.8	25942.2	5.2	17980.6	6291.4	24272.0	0.0	1670.2
ARGENTINA	8086.6	2.1	17300.6	3.5	5967.0	1441.0	7408.0	0.0	9892.7
OTHER S AMERICA	3063.3	1.6	4835.5	1.0	2517.7	3584.8	6102.4	1269.9	0.0
DEV-ED REGION	78242.9	4.4	344675.0	69.0	290050.4	47766.1	337816.4	25373.5	32232.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5714.6	0.0
LESS DEV-ED RG	113769.3	1.4	154865.8	31.0	47870.3	108139.5	156009.7	16595.2	15451.3
WORLD TOTAL	192011.9	2.6	499510.6	100.0	337920.2	155995.5	493825.9	47683.3	47663.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE III: COARSE GRAINS PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
DOLLAR EQUIV					
UNITED STATES	US DOLLAR	51.62	0.0	0.0	55.94
CANADA	CANADIAN DOLLAR	51.85	45.21	0.0	51.85
EURO SIX	EC UNIT OF ACCT	101.09	84.67	41.55	60.67
EURO THREE	EC UNIT OF ACCT	101.09	108.80	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	88.19	109.76	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	57.28	50.90	0.0	57.06
JAPAN	THOUSAND YEN	24.72	65.62	0.0	68.02
AUST-N ZEALAND	AUST DOLLAR	32.53	32.53	0.0	39.22
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	59.58	75.99	0.0	57.98
EAST ASIA HIGH	DOLLAR EQUIV	69.43	192.11	0.0	67.06
EAST ASIA LOW	DOLLAR EQUIV	60.34	63.53	0.0	61.32
THAILAND	DOLLAR EQUIV	55.09	54.80	0.0	57.97
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDIA	DOLLAR EQUIV	64.87	64.87	0.0	68.38
OTHER S. ASIA	DOLLAR EQUIV	91.59	91.59	0.0	68.38
N.AF.-M.EST HIGH	DOLLAR EQUIV	83.96	70.86	0.0	63.14
N.AF.-M.EST LOW	DOLLAR EQUIV	62.01	63.47	0.0	59.41
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	50.61	45.52	0.0	52.41
MIDDLE AMERICA	DOLLAR EQUIV	86.64	63.36	0.0	75.45
VENEZUELA	DOLLAR EQUIV	61.86	79.34	0.0	65.77
BRAZIL	DOLLAR EQUIV	50.46	35.79	0.0	57.80
ARGENTINA	ARGENTINE PESOS	224.72	224.72	0.0	60.36
OTHER S AMERICA	DOLLAR EQUIV	56.79	73.40	0.0	59.15

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES.
 FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985
 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND
 MARKETING CONSIDERATIONS.

UNITED STATES: \$57.08; 3-YEAR AVERAGE 1969-71, 71-72; U.S. GULF PORTS, NO. 2 YELLOW CORN.
 EURO SIX: \$61.81; 3-YEAR AVERAGE 1969-71, 71-72; C.I.F. ROTTERDAM, NO. 2 YELLOW CORN.
 JAPAN: \$69.16; 3-YEAR AVERAGE 1969-71, 71-72; C.I.F. YOKAHAMA, NO. 2 YELLOW CORN.

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	18189.6	2.6	47054.2	19.1	6612.6	17662.2	24274.9	0.0	22779.3
CANADA	8253.7	2.4	19657.4	8.0	2952.2	2820.6	5772.8	0.0	13884.5
EURO SIX	9647.9	4.4	42431.8	17.2	11849.0	23313.6	35162.4	0.0	7269.4
EURO THREE	1389.6	4.5	6186.0	2.5	3687.8	5794.6	9482.4	3296.4	0.0
OTHER W EUROPE	5544.2	2.2	12008.9	4.9	2455.0	9593.4	12048.4	39.5	0.0
SOUTH AFRICA	2258.1	1.6	2178.3	0.9	0.0	2082.8	2082.8	0.0	95.5
JAPAN	127.5	2.8	352.1	0.1	0.0	8257.8	8257.8	7905.7	0.0
AUST-N ZEALAND	9815.5	1.4	14010.8	5.7	1274.9	2651.3	3926.2	0.0	10084.6
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1258.4	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	466.5	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4030.1	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	2417.6	2417.6	2417.6	0.0
EAST ASIA HIGH	201.0	2.4	484.3	0.2	0.0	6452.7	6452.7	5968.5	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1578.5	1578.5	1578.5	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	128.4	128.4	128.4	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	443.4	443.4	443.4	0.0
INDIA	24801.4	1.6	39882.5	16.2	0.0	39387.3	39387.3	0.0	505.3
OTHER S. ASIA	7142.3	1.7	11899.3	4.8	0.0	14813.4	14813.4	2914.1	0.0
N.AF.-M.EST HIGH	9576.4	1.1	10286.7	4.2	0.0	17311.7	17311.7	7025.1	0.0
N.AF.-M.EST LOW	15334.9	1.4	22181.6	9.0	0.0	29550.8	29550.8	7369.2	0.0
CENTRAL AFRICA	0.0	0.0	769.0	0.3	0.0	2423.9	2423.9	1654.9	0.0
EAST AFRICA	249.0	2.2	547.1	0.2	0.0	1240.1	1240.1	693.1	0.0
MIDDLE AMERICA	715.7	3.7	2679.8	1.1	158.1	5041.3	5199.4	2519.6	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	1215.0	1215.0	1215.0	0.0
BRAZIL	2464.9	1.3	3146.0	1.3	0.0	6619.9	6619.9	3473.9	0.0
ARGENTINA	4794.7	1.8	8394.7	3.4	0.0	4941.1	4941.1	0.0	3453.6
OTHER S AMERICA	1539.8	1.6	2498.2	1.0	0.0	6172.5	6172.5	3674.4	0.0
DEV-ED REGION	55226.2	2.6	143879.3	58.3	28831.6	72176.1	101007.6	11241.6	54113.4
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5755.0	0.0
LESS DEV-ED RG	66819.9	1.5	102768.8	41.7	158.1	139737.5	139895.6	41075.6	3958.8
WORLD TOTAL	122045.9	2.0	246648.0	100.0	28989.7	211913.3	240902.9	58072.2	58072.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE III: WHEAT PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
DOLLAR EQUIV					
UNITED STATES	US DOLLAR	57.15	0.0	0.0	58.88
CANADA	CANADIAN DOLLAR	63.48	49.87	0.0	63.48
EURO SIX	EC UNIT OF ACCT	105.49	102.19	61.96	65.35
EURO THREE	EC UNIT OF ACCT	105.49	108.85	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	109.33	102.90	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	105.16	95.67	0.0	61.98
JAPAN	THOUSAND YEN	36.63	58.65	0.0	65.92
AUST-N ZEALAND	AUST DOLLAR	56.31	54.60	0.0	55.31
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	90.01	0.0	0.0	90.01
EAST ASIA HIGH	DOLLAR EQUIV	89.64	193.95	0.0	67.77
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	63.83
THAILAND	DOLLAR EQUIV	74.49	0.0	0.0	74.49
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	70.48
INDIA	DOLLAR EQUIV	80.06	101.51	0.0	74.12
OTHER S. ASIA	DOLLAR EQUIV	107.11	95.63	0.0	74.12
N.AF.-M.-EST HIGH	DOLLAR EQUIV	102.93	91.80	0.0	69.78
N.AF.-M.-EST LOW	DOLLAR EQUIV	64.32	78.28	0.0	63.05
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	85.24	71.00	0.0	87.08
MIDDLE AMERICA	DOLLAR EQUIV	117.95	73.26	0.0	68.17
VENEZUELA	DOLLAR EQUIV	63.79	0.0	0.0	0.0
BRAZIL	DOLLAR EQUIV	98.08	107.37	0.0	72.91
ARGENTINA	ARGENTINE PESOS	178.78	178.78	0.0	58.82
OTHER S AMERICA	DOLLAR EQUIV	71.66	108.97	0.0	70.48

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$58.73; 3-YEAR AVERAGE 1969-70,71-72; U.S. GULF PORTS, NO. 2 HARD RED WINTER, ORDINARY PROTEIN.
 CANADA: \$63.33; 3-YEAR AVERAGE 1969-70,71-72; CANADIAN WHEAT BOARD QUOTA, NO. 1-2.
 EURO SIX: \$65.28; 3-YEAR AVERAGE 1969-70,71-72; C.I.F. ROTTERDAM, ALL CLASSES WHEAT.
 JAPAN: \$65.77; 3-YEAR AVERAGE 1969-70,71-72; C.I.F. YOKAHAMA, U.S. WESTERN WHITE.
 AUST&N-ZEALAND:\$55.16; 3-YEAR AVERAGE 1969-70,71-72; F.A.O. AUSTRALIAN WHEAT BOARD.

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	949.6	4.5	4315.5	2.4	0.0	1527.5	1527.5	0.0	2788.0
CANADA	0.0	0.0	0.0	0.0	0.0	74.0	74.0	0.0	0.0
EURO SIX	195.3	3.4	670.0	0.4	0.0	721.9	721.9	52.0	0.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	125.6	125.6	125.6	0.0
OTHER W EUROPE	129.4	4.3	559.1	0.3	0.0	639.4	639.4	80.3	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	116.1	116.1	116.1	0.0
JAPAN	2405.3	4.4	10584.8	5.8	0.0	10690.8	10690.8	0.0	0.0
AUST-N ZEALAND	67.9	5.2	353.1	0.2	0.0	79.9	79.9	0.0	273.2
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	285.1	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	288.2	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	10170.7	1.7	17260.0	9.4	0.0	18552.5	18552.5	1292.5	0.0
EAST ASIA HIGH	2087.0	3.2	6630.3	3.6	0.0	8536.3	8536.3	1906.0	0.0
EAST ASIA LOW	4750.3	1.7	7838.3	4.3	0.0	12262.3	12262.3	0.0	10.2
THAILAND	8807.3	1.6	13652.4	7.5	0.0	16062.4	16062.4	0.0	1390.1
OTHER SE ASIA	11215.3	1.6	17410.9	9.5	0.0	60713.5	60713.5	960.6	0.0
INDIA	45195.2	1.3	59752.9	32.6	0.0	23833.4	23833.4	378.1	0.0
OTHER S. ASIA	15901.4	1.5	23455.3	12.8	0.0	2454.3	2454.3	1019.6	0.0
N.AF.-M.EST HIGH	607.7	2.4	1434.7	0.8	0.0	2109.4	2109.4	0.0	602.3
N.AF.-M.EST LOW	736.0	3.7	2711.7	1.5	0.0	5203.9	5203.9	1009.4	0.0
CENTRAL AFRICA	0.0	0.0	4194.5	2.3	0.0	364.5	364.5	88.8	0.0
EAST AFRICA	264.5	1.0	275.7	0.2	0.0	1416.9	1416.9	502.2	0.0
MIDDLE AMERICA	607.3	1.5	914.7	0.5	0.0	180.2	180.2	0.8	0.0
VENEZUELA	104.1	1.7	179.5	0.1	0.0	7691.6	7691.6	0.0	101.5
BRAZIL	6877.3	1.1	7793.1	4.3	0.0	189.3	189.3	0.0	147.3
ARGENTINA	114.8	2.9	336.5	0.2	0.0	2004.2	2004.2	0.0	730.3
OTHER S AMERICA	1323.2	2.1	2734.5	1.5	0.0	13975.3	13975.3	448.0	3061.2
DEV-ED REGION	3747.6	4.4	16482.5	9.0	0.0	0.0	0.0	573.3	893.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	169402.6	169402.6	7158.1	4330.2
LESS DEV-ED RG	108762.0	1.5	166574.6	91.0	0.0	183377.7	183377.7	8179.3	8285.3
WORLD TOTAL	112509.6	1.6	183057.0	100.0	0.0				

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE III: RICE PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	562.78	0.0	0.0	224.71
CANADA	CANADIAN DOLLAR	280.78	0.0	0.0	280.78
EURO SIX	EC UNIT OF ACCT	298.68	144.52	93.77	202.28
EURO THREE	EC UNIT OF ACCT	298.68	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	209.78	150.78	0.0	209.78
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	230.78
JAPAN	THOUSAND YEN	266.09	282.78	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	190.85	63.86	0.0	212.77
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	208.78	208.78	0.0	213.33
EAST ASIA HIGH	DOLLAR EQUIV	238.89	194.29	0.0	201.78
EAST ASIA LOW	DOLLAR EQUIV	0.0	112.78	0.0	166.78
THAILAND	DOLLAR EQUIV	123.72	118.22	0.0	200.78
OTHER SE ASIA	DOLLAR EQUIV	148.78	68.89	0.0	151.78
INDIA	DOLLAR EQUIV	114.11	102.76	0.0	208.23
OTHER S. ASIA	DOLLAR EQUIV	147.11	107.11	0.0	167.78
N.AF.-M.EST HIGH	DOLLAR EQUIV	261.78	123.89	0.0	261.78
N.AF.-M.EST LOW	DOLLAR EQUIV	172.78	0.0	0.0	178.78
CENTRAL AFRICA	DOLLAR EQUIV	172.78	91.89	0.0	169.78
EAST AFRICA	DOLLAR EQUIV	94.91	94.91	0.0	245.78
MIDDLE AMERICA	DOLLAR EQUIV	275.78	347.78	0.0	275.78
VENEZUELA	DOLLAR EQUIV	221.47	187.31	0.0	169.78
BRAZIL	DOLLAR EQUIV	251.78	137.78	0.0	158.78
ARGENTINA	ARGENTINE PESOS	550.15	428.15	0.0	146.71
OTHER S AMERICA	DOLLAR EQUIV	289.78	221.44	0.0	289.78

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$176.98; 3-YEAR AVERAGE 1969-70,71-72; F.O.B. MILLS, U.S. #2.
 EURO SIX: \$154.50; 3-YEAR AVERAGE 1969-70,71-72; C.I.F. NORTH SEA PORTS, LONG GRAIN MILLED.
 THAILAND: \$153.00; 3-YEAR AVERAGE 1970-72, F.O.B. BANGKOK, 5% BROKEN POLISHED.

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT	- - - - -	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -
UNITED STATES	21985.3	1.8	39295.8	53.3	18449.0	0.0	18449.0	0.0	20846.8
CANADA	2983.2	0.6	1854.1	2.5	1171.4	0.0	1171.4	0.0	682.6
EURO SIX	0.0	0.0	699.0	0.9	16914.7	0.0	16914.7	16215.7	0.0
EURO THREE	0.0	0.0	693.6	0.9	6446.2	0.0	6446.2	5752.6	0.0
OTHER W EUROPE	671.1	1.7	1158.3	1.6	5202.3	0.0	5202.3	4034.0	0.0
SOUTH AFRICA	0.0	0.0	906.2	1.2	709.3	0.0	709.3	0.0	205.9
JAPAN	0.0	0.0	1200.5	1.6	6244.6	607.1	6851.7	5651.2	0.0
AUST-N ZEALAND	405.3	0.4	160.3	0.2	0.0	205.7	205.7	45.4	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4221.5	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2905.5	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
INDONESIA	1049.2	0.6	666.1	0.9	0.0	301.4	301.4	0.0	364.7
EAST ASIA HIGH	486.6	0.4	177.5	0.2	1249.6	0.0	1249.6	1072.2	0.0
EAST ASIA LOW	0.0	0.0	498.6	0.7	0.0	0.0	0.0	0.0	498.6
INDIA	20077.9	0.2	4983.1	6.7	4026.0	0.0	4026.0	0.0	937.2
N.AF.-M.EST HIGH	0.0	0.0	0.0	0.0	566.8	0.0	566.8	566.8	0.0
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1869.5
MIDDLE AMERICA	666.1	1.5	992.9	1.3	1534.9	0.0	1534.9	542.0	0.0
BRAZIL	13835.3	1.1	15256.5	20.4	2366.3	0.0	2366.3	0.0	12690.3
ARGENTINA	2565.5	0.5	1273.3	1.7	0.0	288.5	288.5	0.0	981.8
OTHER S AMERICA	454.7	9.1	4150.3	5.6	536.8	0.0	536.8	0.0	3613.5
DEV-ED REGION	26044.9	1.8	45977.8	62.3	55128.5	812.5	55941.3	31698.9	21735.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7627.0	0.0
LESS DEV-ED RG	39135.2	0.7	27775.3	37.7	10280.3	599.9	10870.2	2181.0	20955.6
WORLD TOTAL	65180.1	1.1	73733.0	100.0	65408.9	1402.7	66811.5	41306.9	42690.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE III: OILMEAL PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			
					DOLLAR EQUIV
UNITED STATES	US DOLLAR	81.51	0.0	0.0	94.66
CANADA	CANADIAN DOLLAR	114.99	97.66	0.0	114.99
EURO SIX	EC UNIT OF ACCT	98.33	0.0	0.0	98.33
EURO THREE	EC UNIT OF ACCT	103.33	103.33	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	103.33	103.33	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	86.36
JAPAN	THOUSAND YEN	50.69	50.69	0.0	141.75
AUST-N ZEALAND	AUST DOLLAR	127.84	127.84	0.0	108.36
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	52.01	52.01	0.0	52.01
EAST ASIA HIGH	DOLLAR EQUIV	104.87	104.87	0.0	104.87
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	52.01
INDIA	DOLLAR EQUIV	80.70	80.70	0.0	80.70
N.A.F.-M.EST HIGH	DOLLAR EQUIV	104.66	0.0	0.0	104.66
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	86.86
MIDDLE AMERICA	DOLLAR EQUIV	140.47	140.47	0.0	140.47
BRAZIL	DOLLAR EQUIV	80.06	64.52	0.0	80.06
ARGENTINA	ARGENTINE PESOS	229.36	229.36	0.0	61.16
OTHER S AMERICA	DOLLAR EQUIV	91.97	91.97	0.0	91.97

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$98.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, DECATUR, SOYBEAN MEAL, 44 PERCENT PROTEIN, PLUS FOB EXPORT MARGIN.
 EURO SIX: \$101.97; 3-YEAR AVERAGE 1969-71; CIF EUROPEAN PORTS, U.S. BULK, 44 PERCENT PROTEIN.
 JAPAN: \$145.39; 3-YEAR AVERAGE 1969-71; WHOLESALE SOYBEAN PRICE PAID BY EIGHT MANUFACTURERS.

1985 ALTERNATIVE III: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	67320.7	28.4	0.0	0.0	0.0	0.0	0.0
CANADA	11053.4	4.7	0.0	0.0	0.0	0.0	0.0
EURO SIX	87317.4	36.8	0.0	0.0	0.0	0.0	0.0
EURO THREE	21105.4	8.9	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	24675.1	10.4	0.0	0.0	0.0	0.0	0.0
JAPAN	9707.8	4.1	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	15967.4	6.7	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	237146.9	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	237146.9	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - -	REGIONAL CURRENCY	- - -	DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	113.03	0.0	0.0
CANADA	CANADIAN DOLLAR	0.0	118.15	0.0	0.0
EURO SIX	EC UNIT OF ACCT	0.0	102.43	0.0	0.0
EURO THREE	EC UNIT OF ACCT	0.0	102.43	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	0.0	88.65	0.0	0.0
JAPAN	THOUSAND YEN	0.0	46.87	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	40.72	0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

\$122.57; 3-YEAR AVERAGE 1969-71: WEIGHTED AVERAGE PRICE FOR MANUFACTURING GRADE AND GRADE A MILK ELIGIBLE FOR FLUID USE.

UA 133; @ YEAR AVERAGE 1968-69, 70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT DELIVERED, AUSTR. \$35; 3-YEAR AVERAGE 1969-71; PRODUCER PRICE OF MILK EQUIVALENT PAID AT DAIRY.

AUST & N.ZEALAND: AUST. \$35; 3-YEAR AVERAGE 1969-71; PRODUCER PRICE OF MILK EQUIVALENT PAID AT DAIRY.
AUST & N.ZEALAND: AUST. \$35; 3-YEAR AVERAGE 1969-71; PRODUCER PRICE OF MILK EQUIVALENT PAID AT DAIRY.

1985 ALTERNATIVE III: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	-- -- -- -- -- 1,000 METRIC TONS -- -- -- --				
UNITED STATES	0.0	0.0	0.0	36243.3	36243.3	0.0	0.0
CANADA	0.0	0.0	0.0	4450.2	4450.2	0.0	0.0
EURO SIX	0.0	0.0	0.0	36726.1	36726.1	0.0	0.0
EURO THREE	0.0	0.0	0.0	13623.1	13623.1	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	16465.0	16465.0	0.0	0.0
JAPAN	0.0	0.0	0.0	6657.8	6657.8	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	4088.5	4088.5	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	118253.9	118253.9	0.0	0.0
CENTRAL PLAN RG.	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	118253.9	118253.9	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: FLUID MILK PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	135.71	0.0	0.0	0.0
CANADA	CANADIAN DOLLAR	144.42	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	102.43	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	105.43	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	181.41	0.0	0.0	0.0
JAPAN	THOUSAND YEN	134.84	0.0	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	130.23	0.0	0.0	0.0

SELECTED DEMAND PRICES FOR THE BASE PERIOD ARE PRESENTED IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$133.75; 3-YEAR AVERAGE 1969-71; AVERAGE PRICE FOR MILK ELIGIBLE FOR FLUID USE (GRADE A).
 EURO SIX: UA 103; 3-YEAR AVERAGE 1968-69,70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT, DELIVERED.
 AUST & N.ZEALAND: AUST. \$97.59; 3-YEAR AVERAGE 1969-71; UNIT WHOLESAL (GROSS) VALUE FOR FLUID MILK.

1985 ALTERNATIVE III: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT					
UNITED STATES	799.8	22.5	0.0	799.8	799.8	0.0	0.0
CANADA	216.7	6.1	0.0	171.3	171.3	0.0	45.5
EURO SIX	1494.8	42.1	0.0	1399.1	1399.1	0.0	95.7
EURO THREE	234.3	6.6	0.0	343.0	343.0	108.6	0.0
OTHER W EUROPE	175.5	4.9	0.0	343.8	343.8	168.2	0.0
JAPAN	111.9	3.2	0.0	92.5	92.5	0.0	19.4
AUST-N ZEALAND	516.3	14.5	0.0	225.9	225.9	0.0	290.4
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	174.2	0.0
DEV-ED REGION	3549.4	100.0	0.0	3375.2	3375.2	276.9	451.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	174.2	0.0
WORLD TOTAL	3549.4	100.0	0.0	3375.2	3375.2	451.0	451.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: BUTTER PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	466.34	53.20	0.0	0.0
CANADA	CANADIAN DOLLAR	1393.38	101.22	0.0	625.75
EURO SIX	EC UNIT OF ACCT	1732.83	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	1732.83	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1183.75	0.0	0.0	1183.75
JAPAN	THOUSAND YEN	621.79	0.0	0.0	586.75
AUST-N ZEALAND	AUST DOLLAR	979.19	36.66	0.0	596.75
REST OF WORLD	DOLLAR EQUIV	1.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 IN VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE: \$1,785; 3-YEAR AVERAGE 1969-71; FINLAND, WHOLESALE PRICE.
 AUST & N.ZEALAND: \$698; 3-YEAR AVERAGE 1969-71; NEW ZEALAND, EXPORT UNIT VALUE.

1985 ALTERNATIVE III: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	1580.8	31.3	0.0	1457.4	1467.4	0.0	113.3
CANADA	139.6	2.8	0.0	174.9	174.9	35.4	0.0
EURO SIX	2295.2	45.5	0.0	2351.0	2351.0	55.8	0.0
EURO THREE	280.9	5.6	0.0	232.3	232.3	0.0	48.6
OTHER W EUROPE	554.5	11.0	0.0	585.3	585.3	30.8	0.0
JAPAN	22.3	0.4	0.0	116.4	116.4	94.1	0.0
AUST-N ZEALAND	173.9	3.4	0.0	100.9	100.9	0.0	73.0
DEV-ED REGION	5047.1	100.0	0.0	5028.2	5028.2	216.0	234.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	5047.1	100.0	0.0	5028.2	5028.2	216.0	234.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: CHEESE PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			
		DOLLAR EQUIV			
UNITED STATES	US DOLLAR	982.08	78.09	0.0	944.16
CANADA	CANADIAN DOLLAR	920.08	83.42	0.0	783.16
EURO SIX	EC UNIT OF ACCT	1443.92	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	1443.92	0.0	0.0	0.0
OTHER W EURCPE	DOLLAR EQUIV	1048.16	1048.16	0.0	1107.16
JAPAN	THOUSAND YEN	449.85	0.0	0.0	161.16
AUST-N ZEALAND	AUST DOLLAR	259.28	-0.86	0.0	166.16

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE: \$1,555; 3-YEAR AVERAGE 1969-71; SWITZERLAND, WHOLESALE PRICE.

1985 ALTERNATIVE III: TOTAL MEAT UTILIZATION

APRIL 1978

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
		PERCENT				1,000 METRIC TONS	
UNITED STATES	25285.7	34.6	0.0	27557.4	27557.4	2684.1	56.9
CANADA	2949.3	4.0	0.0	2834.2	2834.2	19.4	132.9
EURO SIX	16829.0	23.0	0.0	16108.0	16108.0	443.4	1164.4
EURO THREE	5408.6	7.4	0.0	5463.2	5463.2	516.3	461.7
OTHER W EUROPE	5124.9	7.0	0.0	5141.7	5141.7	199.8	268.2
JAPAN	3476.1	4.8	0.0	3410.6	3410.6	332.8	425.8
AUST-N ZEALAND	4411.2	6.0	0.0	2009.0	2009.0	0.0	2153.2
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	175.5
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	16.2	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	2261.2	3.1	0.0	1996.9	1996.9	61.5	325.8
BRAZIL	3938.7	5.4	0.0	4560.9	4560.9	623.9	0.0
ARGENTINA	3471.3	4.7	0.0	2929.0	2929.0	0.0	534.2
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	813.2	0.0
DEV-ED REGION	63484.7	86.8	0.0	62524.0	62524.0	4195.8	4663.1
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	16.2	288.5
LESS DEV-ED RG	9671.1	13.2	0.0	9486.8	9486.8	1498.7	860.0
WORLD TOTAL	73155.8	100.0	0.0	72010.7	72010.7	5710.7	5811.6

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: BEEF AND VEAL UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -
UNITED STATES	12506.4	37.0	0.0	13484.8	13484.8	1035.3	56.9
CANADA	1459.8	4.3	0.0	1326.9	1326.9	0.0	132.9
EURO SIX	5906.6	17.5	0.0	6279.3	6279.3	372.7	0.0
EURO THREE	2053.1	6.1	0.0	1595.7	1595.7	0.0	457.5
OTHER W EUROPE	1618.3	4.8	0.0	1736.5	1736.5	118.2	0.0
JAPAN	646.5	1.9	0.0	725.1	725.1	78.6	0.0
AUST-N ZEALAND	2115.6	6.3	0.0	999.7	999.7	0.0	1115.9
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	116.6
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	16.2	0.0
MIDDLE AMERICA	1678.4	5.0	0.0	1352.6	1352.6	0.0	325.8
BRAZIL	2853.6	8.4	0.0	3477.5	3477.5	623.9	0.0
ARGENTINA	2989.7	8.8	0.0	2471.0	2471.0	0.0	518.7
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	422.5	0.0
DEV-ED REGION	26306.3	77.8	0.0	26148.0	26148.0	1604.9	1763.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	16.2	116.6
LESS DEV-ED RG	7521.7	22.2	0.0	7301.1	7301.1	1046.4	844.5
WORLD TOTAL	33828.0	100.0	0.0	33449.1	33449.1	2667.5	2724.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: BEEF AND VEAL PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
- - - REGIONAL CURRENCY - - -					
UNITED STATES	US DOLLAR	2086.08	599.25	0.0	1177.08
CANADA	CANADIAN DOLLAR	607.25	607.25	0.0	607.25
EURO SIX	EC UNIT OF ACCT	1314.50	897.60	361.83	722.25
EURO THREE	EC UNIT OF ACCT	1314.50	1314.50	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1314.50	794.58	0.0	0.0
JAPAN	THOUSAND YEN	1436.39	430.51	0.0	838.47
AUST-N ZEALAND	AUST DOLLAR	532.72	532.72	0.0	927.08
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	672.25	672.25	0.0	672.25
BRAZIL	DOLLAR EQUIV	554.25	554.25	0.0	554.25
ARGENTINA	ARGENTINE PESOS	2108.20	551.60	0.0	988.08
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,289; 3-YEAR AVERAGE 1969-71; CHICAGO: FROZEN BEEF, IMPORTED, 30 PERCENT LEAN.
 EURO THREE: \$643; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, LIVERPOOL, WHOLESALE PRICE FOR SIDES, BULLOCKS, AND HEIFERS (ROUGHLY COMPARABLE TO U.S. GOOD).
 AUST & N-ZEALAND: \$1039; 3-YEAR AVERAGE 1969-71; EXPORT UNIT VALUE TO U.S., BONELESS, CHILLED, OR FROZEN.
 ARGENTINA: \$285.60; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, BUENOS AIRES, STEERS, LIVEWEIGHT, JUNTA NACIONAL DE CARNES. THE PROJECTED TRADE PRICE FOR 1985 IS FOR BONELESS FROZEN, COMPARABLE TO AUST-N ZEALAND PRICE WITH TAX DIFFERENTIAL. 1969-1971 WERE TRANSITION YEARS FOR ARGENTINA.

1985 ALTERNATIVE III: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	6221.2	27.2	0.0	7762.4	7762.4	1541.2	0.0
CANADA	774.9	3.4	0.0	794.4	794.4	19.4	0.0
EURO SIX	7252.4	31.8	0.0	6255.9	6255.9	0.0	996.6
EURO THREE	2317.7	10.2	0.0	2313.5	2313.5	0.0	4.2
OTHER W EUROPE	2145.2	9.4	0.0	1877.0	1877.0	0.0	268.2
JAPAN	1896.4	8.3	0.0	1470.6	1470.6	0.0	425.8
AUST-N ZEALAND	259.4	1.1	0.0	253.3	253.3	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	58.9
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	582.8	2.6	0.0	644.3	644.3	61.5	0.0
BRAZIL	1085.1	4.8	0.0	1083.4	1083.4	0.0	0.0
ARGENTINA	297.2	1.3	0.0	289.1	289.1	0.0	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	244.5	0.0
DEV-ED REGION	20867.3	91.4	0.0	20727.1	20727.1	1560.6	1694.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	171.9
LESS DEV-ED RG	1965.1	8.6	0.0	2016.8	2016.8	306.0	0.0
WORLD TOTAL	22832.4	100.0	0.0	22743.9	22743.9	1866.7	1866.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: PORK PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1425.01	384.01	0.0	1349.01
CANADA	CANADIAN DOLLAR	563.01	563.01	0.0	563.01
EURO SIX	EC UNIT OF ACCT	934.87	785.41	467.87	451.63
EURO THREE	EC UNIT OF ACCT	934.87	934.87	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	934.87	775.64	0.0	0.0
JAPAN	THOUSAND YEN	913.97	239.82	0.0	1018.04
AUST-N ZEALAND	AUST DOLLAR	789.36	789.36	0.0	0.0
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	827.01	827.01	0.0	827.01
BRAZIL	DOLLAR EQUIV	785.20	785.20	0.0	0.0
ARGENTINA	ARGENTINE PESOS	829.22	829.22	0.0	0.0
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,564; 3-YEAR AVERAGE 1969-71; UNIT VALUE, HAMS, SHOULDERS, CANNED, IMPORTED, AVERAGE U.S.
 EURO SIX: \$586; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE MINUS VARIABLE LEVY, WEST GERMANY,
 PURCHASE PRICE OF SLAUGHTER HALVES (PORK SIDES, CARCASS).
 EURO THREE: \$836; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, LONDON (SMITHFIELD), IMPORTED DANISH BACON.

1985 ALTERNATIVE III: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	6558.2	47.5	0.0	6310.2	6310.2	0.0	0.0
CANADA	714.5	5.2	0.0	712.9	712.9	0.0	0.0
EURO SIX	3482.1	25.2	0.0	3314.2	3314.2	0.0	167.9
EURO THREE	791.6	5.7	0.0	915.4	915.4	123.9	0.0
OTHER W EUROPE	1082.9	7.8	0.0	1168.1	1168.1	0.0	0.0
JAPAN	933.2	6.8	0.0	960.7	960.7	0.0	0.0
AUST-N ZEALAND	242.9	1.8	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	13805.3	100.0	0.0	13381.5	13381.5	123.9	167.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	13805.3	100.0	0.0	13381.5	13381.5	123.9	167.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: POULTRY PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	908.28	589.28	0.0	0.0
CANADA	CANADIAN DOLLAR	349.29	349.29	0.0	0.0
EURO SIX	EC UNIT OF ACCT	657.24	455.80	0.0	0.0
EURO THREE	EC UNIT OF ACCT	633.12	633.12	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	325.23	218.72	0.0	0.0
JAPAN	THOUSAND YEN	701.78	151.25	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	0.0	0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: \$633; 3-YEAR AVERAGE 1969-71; COMPOSITE OF GRADE A BROILERS AND FROZEN READY-TO-COOK TURKEYS.
 EURO SIX: UA 490; 3-YEAR AVERAGE 1969-71; BELGIUM-DEYNZE MARKET, CHICKENS FOR ROASTING, LIVWEIGHT.
 EURO THREE: UA 560; 3-YEAR AVERAGE 1969-71; BIRMINGHAM, BRISTOL, LONDON AND MANCHESTER MARKET AVERAGE, BROILERS, GOOD QUALITY, WHOLESALE SLAUGHTER.

1985 ALTERNATIVE III: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	0.0	0.0	0.0	0.0	0.0	107.5	0.0
EURO SIX	187.9	7.0	0.0	258.5	258.5	70.7	0.0
EURO THREE	246.2	9.2	0.0	638.6	638.6	392.4	0.0
OTHER W EUROPE	278.4	10.3	0.0	360.0	360.0	81.6	0.0
JAPAN	0.0	0.0	0.0	254.2	254.2	254.2	0.0
AUST-N ZEALAND	1793.3	66.7	0.0	756.1	756.1	0.0	1037.3
ARGENTINA	184.4	6.9	0.0	168.9	168.9	0.0	15.4
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	146.3	0.0
DEV-ED REGION	2505.8	93.1	0.0	2267.4	2267.4	906.4	1037.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	184.4	6.9	0.0	168.9	168.9	146.3	15.4
WORLD TOTAL	2690.2	100.0	0.0	2436.3	2436.3	1052.7	1052.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE III: LAMB AND MUTTON PRICES

APRIL 1978

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
UNITED STATES	US DOLLAR	0.0	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	923.38	923.38	0.0	646.01
EURO THREE	EC UNIT OF ACCT	923.38	923.38	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	923.38	923.38	0.0	0.0
JAPAN	THOUSAND YEN	133.84	0.0	0.0	374.01
AUST-N ZEALAND	AUST DOLLAR	321.40	321.40	0.0	358.31
ARGENTINA	ARGENTINE PESOS	1502.02	1502.02	0.0	400.54
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

EURO THREE SUPPLY: UA 698; 3-YEAR AVERAGE 1969-71; LONDON (SMITHFIELD), NEW ZEALAND, FROZEN CARCASS, WHOLESALE.
 JAPAN TRADE: \$426; 3-YEAR AVERAGE 1969-71; UNIT VALUES OF IMPORTS.
 AUST & N.ZEALAND: \$410.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, SYDNEY (HOMEBUSH), LAMB, 29-36 LB., FIRST AND SECOND EXPORT QUALITY, DRESSED WEIGHT BASIS.

1985 ALTERNATIVE IV: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	76290.9	4.2	324056.8	30.3	197274.4	35161.9	232436.2	0.0	91620.5
CANADA	18920.0	2.7	51451.1	4.8	24317.9	4961.5	29279.5	77.0	22248.6
EURO SIX	19869.5	4.6	91829.0	8.6	73126.4	36220.3	109346.7	17517.7	0.0
EURO THREE	6353.9	4.3	27435.9	2.6	25898.7	10876.4	36775.0	9339.1	0.0
OTHER W EUROPE	14395.5	2.7	39449.2	3.7	30129.9	14964.0	45093.9	5644.7	0.0
SOUTH AFRICA	8424.0	1.7	14611.5	1.4	3832.3	7616.2	11448.5	119.7	3282.6
JAPAN	2675.5	4.1	10964.6	1.0	27393.4	21192.7	48586.1	37515.5	0.0
AUST-N ZEALAND	16581.8	1.5	24866.5	2.3	5131.0	3689.7	8820.8	0.0	16045.7
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10174.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12242.6	538.7
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10357.9	887.1
INDONESIA	13029.9	1.9	25273.2	2.4	0.0	32906.2	32906.2	8133.4	520.4
EAST ASIA HIGH	3267.1	3.4	11248.5	1.1	3764.5	18099.3	21863.8	10615.3	0.0
EAST ASIA LOW	8052.2	1.7	13894.7	1.3	678.4	13179.9	13858.4	1569.7	1806.0
THAILAND	10103.6	1.8	18573.9	1.7	0.0	13429.4	13429.4	137.8	5282.4
OTHER SE ASIA	11188.8	1.8	19605.5	1.8	833.7	16904.2	17737.9	450.9	2318.5
INDIA	115948.2	1.3	154394.4	14.4	5599.2	154464.4	160063.6	5659.1	0.0
OTHER S. ASIA	25025.5	1.7	41575.7	3.9	0.0	47559.0	47559.0	6075.1	91.8
N.AF.-M.EST HIGH	13484.4	1.4	18792.2	1.8	1841.1	27752.3	29593.4	10801.2	0.0
N.AF.-M.EST LOW	25892.2	1.8	47844.9	4.5	6975.5	46753.4	53728.9	6502.0	618.1
CENTRAL AFRICA	0.0	0.0	0.0	0.8	0.0	11560.9	11560.9	3082.4	0.0
EAST AFRICA	6731.2	1.6	10603.2	1.0	187.5	11770.1	11957.6	1354.3	0.0
MIDDLE AMERICA	13887.9	2.1	28540.0	2.7	5547.7	24142.6	29690.3	2875.9	1725.6
VENEZUELA	773.5	2.2	1664.5	0.2	647.6	2990.1	3637.8	2011.4	38.2
BRAZIL	24938.4	1.8	45657.4	4.3	20261.0	21449.2	41710.2	2824.6	6771.9
ARGENTINA	14268.4	2.0	28426.9	2.7	6756.5	6205.7	12962.3	0.0	15464.7
OTHER S AMERICA	5962.8	2.0	11940.6	1.1	2663.4	13150.5	15813.9	4469.2	596.0
DEV-ED REGION	163510.9	3.6	584664.2	54.6	387103.9	134682.7	521786.6	70213.6	133197.4
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32774.5	1425.8
LESS DEV-ED RG	292553.5	1.7	486533.4	45.4	55756.1	462316.4	518072.4	66562.4	35033.4
WORLD TOTAL	456064.1	2.3	1071197.0	100.0	442859.7	596998.8	1039858.5	169550.2	169656.4

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV: COARSE GRAINS UTILIZATION

APRIL 1978

REGION	AREA	YIELD	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 HECTARES	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	48255.0	5.2	25334.6	42.8	189098.2	15411.3	205509.5	0.0	47805.1
CANADA	9229.4	3.1	2830.7	4.9	20839.4	2234.7	23074.1	0.0	5756.6
EURO SIX	12689.9	4.7	59506.2	10.1	59303.2	11504.3	70807.5	11301.3	0.0
EURO THREE	5121.4	4.4	22287.8	3.8	21107.7	4668.0	25775.7	3487.9	0.0
OTHER W EUROPE	9107.2	3.1	28217.9	4.8	21213.5	4449.6	31663.1	3445.3	0.0
SOUTH AFRICA	6028.3	2.0	12294.7	2.1	3832.3	5374.7	9207.0	0.0	3087.7
JAPAN	189.4	2.9	544.7	0.1	27393.4	2613.4	30006.8	29462.1	0.0
AUST-N ZEALAND	5862.3	1.6	9392.5	1.6	3666.1	1129.3	4795.4	0.0	4597.1
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8763.4	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11952.9	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1850.4	0.0
INDONESIA	2924.8	2.0	5924.2	1.0	0.0	5403.8	5403.8	0.0	520.4
EAST ASIA HIGH	988.8	2.8	2805.1	0.5	3764.5	2500.1	6264.6	3458.5	0.0
EAST ASIA LOW	3360.5	1.3	4495.8	0.8	678.4	3636.8	4315.2	0.0	180.6
THAILAND	1202.0	3.2	3876.3	0.7	0.0	500.9	500.9	0.0	3375.3
OTHER SE ASIA	0.0	0.0	1163.6	0.2	833.7	125.5	959.2	0.0	204.4
INDIA	46008.5	0.8	38452.0	6.5	5599.2	35375.0	40974.2	2522.2	0.0
OTHER S. ASIA	1897.6	0.9	1656.1	0.3	0.0	1564.3	1564.3	0.0	91.8
NAF.-WEST HIGH	3116.0	1.1	3538.2	0.6	1841.1	5255.4	7096.5	3558.4	0.0
NAF.-WEST LOW	9597.8	2.0	19307.0	3.3	6975.5	14651.1	21626.6	2319.6	0.0
CENTRAL AFRICA	0.0	0.0	3525.0	0.6	0.0	3525.0	3525.0	0.0	0.0
EAST AFRICA	6204.5	1.5	9579.3	1.6	187.5	10075.8	10263.3	684.0	0.0
MIDDLE AMERICA	12521.7	1.9	23980.1	4.1	5378.3	16876.1	22254.5	0.0	1725.6
VENEZUELA	674.3	2.1	1424.9	0.2	647.6	1310.8	1958.4	533.5	0.0
BRAZIL	15262.8	2.1	32596.2	5.5	20261.0	6360.0	26621.0	0.0	5975.2
ARGENTINA	8623.5	2.2	18588.7	3.1	6756.5	1303.8	8060.4	0.0	10528.3
OTHER S AMERICA	3072.0	1.9	5935.3	1.0	2663.4	3781.3	6444.7	508.7	0.0
DEV-ED REGION	96482.8	4.3	414388.9	70.1	352453.7	48385.2	400839.0	47696.5	61246.5
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22566.7	0.0
LESS DEV-ED RG	115454.3	1.5	176849.0	29.9	55586.7	112245.5	167832.1	13584.9	22601.7
WORLD TOTAL	211936.9	2.8	561237.7	100.0	408040.1	160630.7	568670.9	83847.9	83848.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV: WHEAT UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 HECTARES	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -	- - - - -
UNITED STATES	27094.7	2.5	66461.4	24.2	8176.2	17148.7	25324.8	0.0	41136.6
CANADA	9690.6	2.3	22620.4	8.2	3478.5	2649.9	6128.4	0.0	16492.0
EURO SIX	6984.2	4.5	31651.7	11.5	13823.3	23957.3	37780.5	6128.9	0.0
EURO THREE	1232.6	4.2	5148.1	1.9	4791.0	6077.8	10868.8	5720.7	0.0
OTHER W EUROPE	5159.3	2.1	10675.4	3.9	2916.4	9857.0	12773.4	2098.0	0.0
SOUTH AFRICA	2395.7	1.0	2316.7	0.8	0.0	2121.9	2121.9	0.0	194.9
JAPAN	125.2	2.8	355.7	0.1	0.0	8409.2	8409.2	8053.4	0.0
AUST-N ZEALAND	10651.6	1.4	15121.4	5.5	1464.9	2478.6	3943.5	0.0	11177.9
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1101.2	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	538.7	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8507.5	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	4786.8	4786.8	4786.8	0.0
EAST ASIA HIGH	201.9	3.0	605.9	0.2	0.0	6230.3	6230.3	5624.4	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1569.7	1569.7	1569.7	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	137.8	137.8	137.8	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	450.9	450.9	450.9	0.0
INDIA	25093.6	1.9	46737.3	17.0	0.0	48037.6	48037.6	1290.3	0.0
OTHER S. ASIA	7201.0	1.9	13546.9	4.9	0.0	18689.6	18689.6	5142.7	0.0
N.AF.-M.EST HIGH	9764.9	1.4	13318.0	4.8	0.0	19572.2	19572.2	6254.2	0.0
N.AF.-M.EST LOW	15559.5	1.6	25564.9	9.3	0.0	29747.3	29747.3	4182.4	0.0
CENTRAL AFRICA	0.0	0.0	769.0	0.3	0.0	2668.9	2668.9	1895.9	0.0
EAST AFRICA	257.1	2.5	652.8	0.2	0.0	1298.3	1298.3	645.5	0.0
MIDDLE AMERICA	746.5	4.5	3344.5	1.2	169.4	5637.9	5807.3	2462.8	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	1477.9	1477.9	1477.9	0.0
BRAZIL	2443.1	1.4	3475.5	1.3	0.0	6300.1	6300.1	2824.6	0.0
ARGENTINA	5520.7	1.7	9478.1	3.4	0.0	4698.2	4698.2	0.0	4779.9
OTHER S AMERICA	1563.5	1.9	3028.3	1.1	0.0	6986.8	6986.8	3960.5	0.0
DEV-ED REGION	6333.8	2.4	154350.6	56.2	34650.2	72700.1	107350.2	22001.0	69001.3
CENTRAL PLAN' RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9608.7	538.7
LESS DEV-ED RG	68351.7	1.8	12051.0	43.8	169.4	158290.1	158459.4	42710.3	4779.9
WORLD TOTAL	131685.2	2.1	274869.5	100.0	34819.6	230989.9	265809.4	74319.9	74319.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	941.2	4.5	4280.9	2.1	0.0	1602.0	1602.0	0.0	2678.9
CANADA	0.0	0.0	0.0	0.0	0.0	77.0	77.0	77.0	0.0
EURO SIX	195.5	3.4	671.2	0.3	0.0	758.7	758.7	87.5	0.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	130.6	130.6	130.6	0.0
OTHER W EUROPE	129.0	4.3	556.0	0.3	0.0	657.4	657.4	101.4	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	119.7	119.7	119.7	0.0
JAPAN	2360.8	4.3	10064.2	4.9	0.0	10170.2	10170.2	0.0	0.0
AUST-N ZEALAND	67.9	5.2	352.6	0.2	0.0	81.9	81.9	0.0	270.7
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	309.4	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	289.7	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	887.1
INDONESIA	10105.2	1.9	19369.0	9.4	0.0	22715.6	22715.6	3346.6	0.0
EAST ASIA HIGH	2076.4	3.8	7836.5	3.8	0.0	9368.9	9368.9	1532.4	0.0
EAST ASIA LOW	4691.7	2.0	9398.9	4.6	0.0	7973.5	7973.5	0.0	1425.4
THAILAND	8901.6	1.7	14697.6	7.2	0.0	12790.6	12790.6	0.0	1907.0
OTHER SE ASIA	1188.8	1.6	18441.9	9.0	0.0	16327.9	16327.9	0.0	2114.0
INDIA	44846.2	1.5	69205.1	33.7	0.0	71051.9	71051.9	1846.7	0.0
OTHER S. ASIA	15926.9	1.7	26372.7	12.9	0.0	27305.1	27305.1	932.5	0.0
N.AF.-M.EST HIGH	603.5	3.2	1936.0	0.9	0.0	2924.6	2924.6	988.6	0.0
N.AF.-M.EST LOW	734.9	4.0	2973.0	1.4	0.0	2354.9	2354.9	0.0	618.1
CENTRAL AFRICA	0.0	0.0	4184.5	2.0	0.0	5367.0	5367.0	1182.5	0.0
EAST AFRICA	269.7	1.4	371.1	0.2	0.0	396.0	396.0	24.8	0.0
MIDDLE AMERICA	619.7	2.0	1215.4	0.6	0.0	1628.6	1628.6	413.1	0.0
VENEZUELA	99.3	2.4	239.6	0.1	0.0	201.4	201.4	0.0	38.2
BRAZIL	7232.5	1.3	9585.7	4.7	0.0	8789.1	8789.1	0.0	796.6
ARGENTINA	124.3	2.9	360.2	0.2	0.0	203.7	203.7	0.0	156.4
OTHER S AMERICA	1327.3	2.2	2978.3	1.5	0.0	2382.4	2382.4	0.0	596.0
DEV-ED REGION	3694.4	4.3	15924.9	7.8	0.0	13597.4	13597.4	516.2	2949.7
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	599.1	887.1
LESS DEV-ED R6	108747.5	1.7	189165.4	92.2	0.0	191780.9	191780.9	10267.2	7651.7
WORLD TOTAL	112441.9	1.8	205090.2	100.0	0.0	205378.2	205378.2	11382.5	11488.5

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV: OILMEAL UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	26491.5	1.5	43125.5	54.3	19044.4	0.0	19044.4	0.0	24081.2
CANADA	3618.3	0.6	2213.6	2.8	1814.1	0.0	1814.1	0.0	399.5
EURO SIX	0.0	0.0	699.0	0.9	15988.9	0.0	15988.9	15289.9	0.0
EURO THREE	0.0	0.0	695.6	0.9	6122.1	0.0	6122.1	5426.5	0.0
OTHER W EUROPE	699.8	1.7	1204.6	1.5	4747.4	0.0	4747.4	3542.8	0.0
SOUTH AFRICA	0.0	0.0	921.0	1.2	716.3	0.0	716.3	0.0	204.8
JAPAN	0.0	0.0	1213.6	1.5	8460.0	592.6	9052.6	7839.0	0.0
AUST-N ZEALAND	442.3	0.4	172.9	0.2	0.0	199.6	199.6	26.7	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5724.1	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5008.1	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
INDONESIA	1136.6	0.6	729.6	0.9	0.0	344.3	344.3	0.0	385.4
EAST ASIA HIGH	505.5	0.4	202.6	0.3	1414.2	0.0	1414.2	1211.6	0.0
EAST ASIA LOW	0.0	0.0	507.5	0.6	0.0	0.0	0.0	0.0	507.5
INDIA	20601.6	0.3	5405.2	6.8	4004.2	0.0	4004.2	0.0	1401.0
N.AF.-M.EST HIGH	0.0	0.0	0.0	0.0	624.0	0.0	624.0	624.0	0.0
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1931.1
MIDDLE AMERICA	671.1	1.6	1076.2	1.4	1636.3	0.0	1636.3	560.1	0.0
BRAZIL	14261.6	1.1	15553.1	19.6	2447.7	0.0	2447.7	0.0	13105.4
ARGENTINA	3002.5	0.5	1503.3	1.9	0.0	289.2	289.2	0.0	1214.1
OTHER S AMERICA	473.9	9.0	4253.4	5.4	546.5	0.0	546.5	0.0	3706.9
DEV-ED REGION	33251.8	1.5	50245.9	63.2	56893.1	792.2	57685.3	32124.9	24685.4
CENTRAL PLAN'RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11232.3	0.0
LESS DEV-ED RG	40652.9	0.7	29230.9	36.8	10672.9	633.4	11306.4	2395.6	22251.3
WORLD TOTAL	73904.5	1.1	79476.7	100.0	67566.0	1425.6	68991.5	45752.8	46936.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	-- -- -- -- -- 1,000 METRIC TONS -- -- -- --				
UNITED STATES	61771.9	25.6	0.0	0.0	0.0	0.0	0.0
CANADA	10429.5	4.3	0.0	0.0	0.0	0.0	0.0
EURO SIX	91192.5	37.8	0.0	0.0	0.0	0.0	0.0
EURO THREE	22039.6	9.1	0.0	0.0	0.0	0.0	3.0
OTHER W EUROPE	27198.6	11.3	0.0	0.0	0.0	0.0	0.0
JAPAN	9933.4	4.1	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	18686.8	7.7	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	241252.3	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	241252.3	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	0.0	0.0	0.0	35328.1	35328.1	0.0	0.0
CANADA	0.0	0.0	0.0	4336.1	4336.1	0.0	0.0
EURO SIX	0.0	0.0	0.0	38443.6	38443.6	0.0	0.0
EURO THREE	0.0	0.0	0.0	14008.6	14008.6	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	17814.7	17814.7	0.0	0.0
JAPAN	0.0	0.0	0.0	9673.7	9673.7	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	3969.4	3969.4	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	123574.1	123574.1	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	123574.1	123574.1	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	620.1	18.7	0.0	620.1	620.1	0.0	0.0
CANADA	186.3	5.6	0.0	141.9	141.9	0.0	44.4
EURO SIX	1447.1	43.6	0.0	1440.5	1440.5	0.0	6.6
EURO THREE	246.7	7.4	0.0	341.1	341.1	94.5	0.0
OTHER W EUROPE	164.0	4.9	0.0	341.1	341.1	177.1	0.0
JAPAN	-3.7	-0.1	0.0	130.0	130.0	133.7	0.0
AUST-N ZEALAND	655.2	19.8	0.0	191.9	191.9	0.0	463.3
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	109.0	0.0
DEV-ED REGION	3315.6	100.0	0.0	3206.6	3206.6	405.3	514.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	109.0	0.0
WORLD TOTAL	3315.6	100.0	0.0	3206.6	3206.6	514.3	514.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	1482.6	26.3	0.0	1586.5	1586.5	103.9	0.0
CANADA	157.2	2.8	0.0	194.4	194.4	37.2	0.0
EURO SIX	2753.0	48.8	0.0	2655.2	2655.2	0.0	97.8
EURO THREE	313.4	5.6	0.0	246.3	246.3	0.0	67.2
OTHER W EUROPE	717.7	12.7	0.0	664.8	664.8	0.0	53.0
JAPAN	37.1	0.7	0.0	171.7	171.7	134.7	0.0
AUST-N ZEALAND	183.3	3.2	0.0	106.5	106.5	0.0	76.8
DEV-ED REGION	5644.3	100.0	0.0	5625.3	5625.3	275.8	294.7
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	5644.3	100.0	0.0	5625.3	5625.3	275.8	294.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	28354.4	35.4	0.0	27465.1	27465.1	228.4	729.3
CANADA	3122.0	3.9	0.0	3021.5	3021.5	0.0	98.8
EURO SIX	17404.8	21.7	0.0	18566.9	18566.9	1466.2	304.1
EURO THREE	5843.2	7.3	0.0	5946.2	5946.2	406.5	303.5
OTHER W EUROPE	5298.4	6.6	0.0	6280.6	6280.6	887.3	0.0
JAPAN	4450.4	5.6	0.0	5911.1	5911.1	1425.5	0.0
AUST-N ZEALAND	4737.1	5.9	0.0	2005.8	2005.8	0.0	2440.8
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	226.7
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	18.6	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	2387.0	3.0	0.0	2383.9	2383.9	166.9	170.0
BRAZIL	4432.8	5.5	0.0	4604.6	4604.6	173.6	0.0
ARGENTINA	4091.5	5.1	0.0	2789.9	2789.9	0.0	1293.5
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	813.2	0.0
DEV-ED REGION	69210.3	86.4	0.0	69197.1	69197.1	4414.0	3876.5
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	18.6	339.7
LESS DEV-ED RG	10911.3	13.6	0.0	9778.4	9778.4	1153.7	1463.5
WORLD TOTAL	80121.7	100.0	0.0	78975.6	78975.6	5586.2	5679.8

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: BEEF AND VEAL UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	13540.7	36.7	0.0	13612.1	13612.1	120.9	49.5
CANADA	1545.3	4.2	0.0	1495.1	1495.1	0.0	50.2
EURO SIX	6014.5	16.3	0.0	7419.5	7419.5	1405.0	0.0
EURO THREE	2122.1	5.7	0.0	1818.6	1818.6	0.0	303.5
OTHER W EUROPE	1684.7	4.6	0.0	2234.1	2234.1	549.4	0.0
JAPAN	930.1	2.5	0.0	1580.6	1580.6	650.5	0.0
AUST-N ZEALAND	2364.5	6.4	0.0	975.4	975.4	0.0	1389.1
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	146.2
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	18.6	0.0
MIDDLE AMERICA	1790.7	4.8	0.0	1620.7	1620.7	0.0	170.0
BRAZIL	3323.8	9.0	0.0	3497.4	3497.4	173.6	0.0
ARGENTINA	3607.3	9.8	0.0	2325.8	2325.8	0.0	1281.4
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	422.5	0.0
DEV-ED REGION	28202.0	76.4	0.0	29135.4	29135.4	2725.8	1792.4
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	18.6	146.2
LESS DEV-ED RG	8721.7	23.6	0.0	7443.9	7443.9	596.0	1451.4
WORLD TOTAL	36923.7	100.0	0.0	36579.3	36579.3	3340.5	3390.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
		PERCENT					
UNITED STATES	7384.6	29.8	0.0	6704.9	6704.9	0.0	679.8
CANADA	804.6	3.2	0.0	756.1	756.1	0.0	48.5
EURO SIX	7383.4	29.8	0.0	7130.6	7130.6	0.0	252.8
EURO THREE	2503.1	10.1	0.0	2535.1	2535.1	32.0	0.0
OTHER W EUROPE	2108.8	8.5	0.0	2386.3	2386.3	277.6	0.0
JAPAN	2322.6	9.4	0.0	2776.4	2776.4	453.8	0.0
AUST-N ZEALAND	266.3	1.1	0.0	260.1	260.1	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	80.5
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	596.4	2.4	0.0	763.2	763.2	166.9	0.0
BRAZIL	1109.0	4.5	0.0	1107.2	1107.2	0.0	0.0
ARGENTINA	296.3	1.2	0.0	288.2	288.2	0.0	0.0
REST OF WORLD DEV-ED REGION	0.0	0.0	0.0	0.0	0.0	244.5	0.0
CENTRAL PLAN RG	2273.4	91.9	0.0	22549.4	22549.4	763.3	981.1
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	193.5
WORLD TOTAL	2001.6	8.1	0.0	2158.7	2158.7	411.3	0.0
	24775.1	100.0	0.0	24708.0	24708.0	1174.6	1174.6

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	7429.1	47.5	0.0	7148.1	7148.1	0.0	0.0
CANADA	772.1	4.9	0.0	770.3	770.3	0.0	0.0
EURO SIX	3810.0	24.3	0.0	3758.7	3758.7	0.0	51.3
EURO THREE	954.9	6.1	0.0	962.2	962.2	7.3	0.0
OTHER W EUROPE	1205.9	7.7	0.0	1300.7	1300.7	0.0	0.0
JAPAN	1197.6	7.7	0.0	1232.9	1232.9	0.0	0.0
AUST-N ZEALAND	284.2	1.8	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	15653.7	100.0	0.0	15172.9	15172.9	7.3	51.3
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	15653.7	100.0	0.0	15172.9	15172.9	7.3	51.3

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	0.0						
EURO SIX	196.9	0.0	0.0	0.0	0.0	107.5	0.0
EURO THREE	263.1	7.1	0.0	258.1	258.1	61.2	0.0
OTHER W EUROPE	299.1	9.5	0.0	630.4	630.4	367.2	0.0
JAPAN	0.0	10.8	0.0	359.4	359.4	60.3	0.0
AUST-N ZEALAND	1822.1	0.0	0.0	321.3	321.3	321.3	0.0
ARGENTINA	186.0	65.8	0.0	770.3	770.3	0.0	1051.7
REST OF WORLD	0.0	6.8	0.0	175.9	175.9	0.0	12.1
DEV-ED REGION	2581.2	0.0	0.0	0.0	0.0	146.3	0.0
CENTRAL PLAN RG	0.0	93.2	0.0	2339.5	2339.5	917.6	1051.7
LESS DEV-ED RG	188.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	2769.2	6.8	0.0	175.9	175.9	146.3	12.1
		100.0	0.0	2515.4	2515.4	1063.8	1063.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: TOTAL GRAIN UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT				1,000 METRIC TONS	
UNITED STATES	69312.0	4.4	302881.5	26.1	197885.0	35465.7	233350.7	0.0	69530.8
CANADA	17905.2	2.8	49342.9	4.6	24414.7	4968.3	29383.0	79.5	20039.4
EURO SIX	19836.1	4.6	91327.1	8.5	73325.4	36394.2	109719.6	18392.4	0.0
EURO THREE	6341.6	4.3	27288.8	2.5	25992.7	10955.9	36948.6	9659.8	0.0
OTHER W EUROPE	14359.8	2.7	39229.1	3.6	30164.2	15051.2	45215.4	5986.3	0.0
SOUTH AFRICA	8356.2	1.7	14462.7	1.3	3846.7	7626.6	11473.3	123.5	3112.9
JAPAN	2673.9	4.1	10935.6	1.0	27489.5	21251.5	48741.0	37699.5	0.0
AUST-N ZEALAND	15826.9	1.5	23857.5	2.2	5124.6	3706.0	8830.6	0.0	15026.9
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10284.8	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12279.6	439.4
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10487.5	791.8
INDONESIA	12246.4	2.1	25645.8	2.4	0.0	33297.6	33290.6	8626.4	981.6
EAST ASIA HIGH	3234.4	3.8	12174.3	1.1	3781.1	18186.8	21967.9	9793.6	0.0
EAST ASIA LOW	7572.9	2.0	15029.3	1.4	679.9	13361.6	14041.5	1546.8	2534.7
THAILAND	9457.1	1.9	18159.7	1.7	0.0	13524.9	13524.9	133.7	4768.4
OTHER SE ASIA	10818.9	1.8	19547.6	1.8	831.8	17072.4	17904.2	438.1	2081.5
INDIA	115230.2	1.5	168159.4	15.6	5996.7	158319.0	164315.7	1187.9	5041.6
OTHER S. ASIA	24929.9	1.8	44943.2	4.2	0.0	48562.0	48562.0	3889.3	270.5
N.AF.-WEST HIGH	13409.2	1.6	21057.4	2.0	1844.8	27791.2	29636.0	8578.6	0.0
N.AF.-WEST LOW	25789.9	2.0	51405.1	4.8	6989.0	45957.9	52946.9	2035.5	493.7
CENTRAL AFRICA	0.0	0.0	8338.2	0.8	0.0	11750.5	11750.5	3412.3	0.0
EAST AFRICA	6673.7	1.7	11240.0	1.0	189.3	11758.2	11957.5	742.4	24.9
MIDDLE AFRICA	13824.7	2.2	30762.9	2.8	5554.4	24219.1	29773.5	2532.1	3521.5
VENEZUELA	773.0	2.5	1966.9	0.2	649.4	2985.8	3635.2	1729.4	61.1
BRAZIL	24374.7	2.1	50384.4	4.7	20292.2	21508.6	41800.8	2266.2	10849.8
ARGENTINA	14023.2	2.0	27955.3	2.6	6768.7	6243.6	13012.3	0.0	14943.0
OTHER S AMERICA	5942.6	2.2	13325.8	1.2	2677.0	13151.0	15828.1	3574.3	1072.1
DEV-ED REGION	154611.5	3.6	559324.9	51.8	388242.6	135419.3	523662.2	71941.0	107709.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33051.9	1231.2
LESS DEV-ED RG	288300.3	1.8	520094.2	48.2	56254.3	467692.2	523946.5	50486.6	46644.4
WORLD TOTAL	442911.5	2.4	1079418.0	100.0	444496.5	603111.2	1047608.3	155479.2	155585.4

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV-A: COARSE GRAINS UTILIZATION

APRIL 1978

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	45333.4	5.3	241202.5	40.8	189284.9	16481.7	205766.7	0.0	35435.8
CANADA	9064.3	3.1	28398.4	4.8	20875.6	2233.1	23108.7	0.0	5289.7
EURO SIX	12806.1	4.7	59755.3	10.1	59270.4	11525.4	70795.8	11040.5	0.0
EURO THREE	5132.0	4.3	22278.9	3.8	21153.4	4687.1	25840.5	3561.6	0.0
OTHER W EUROPE	9122.6	3.1	28193.3	4.8	27226.2	4449.2	31675.4	3482.2	0.0
SOUTH AFRICA	5997.3	2.0	12188.4	2.1	3846.7	5376.7	9223.4	0.0	2964.9
JAPAN	189.3	2.9	543.1	0.1	27489.5	2621.6	30111.1	29567.9	0.0
AUST-N ZEALAND	5610.0	1.6	9037.7	1.5	3654.0	1134.2	4788.1	0.0	4249.5
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8780.2	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11969.1	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1850.4	0.0
INDONESIA	2812.6	2.2	6248.5	1.1	0.0	5266.9	5266.9	0.0	981.6
EAST ASIA HIGH	992.0	3.1	3110.6	0.5	3781.1	2474.3	6255.3	3144.7	0.0
EAST ASIA LOW	3294.7	1.5	4906.3	0.8	679.9	3550.4	4230.3	0.0	676.0
THAILAND	1147.0	3.4	3844.7	0.7	0.0	488.3	488.3	0.0	3356.4
OTHER SE ASIA	0.0	0.0	1185.3	0.2	831.8	125.5	957.3	0.0	228.0
INDIA	46530.4	0.9	41082.1	6.9	5996.7	35013.2	41010.0	0.0	72.2
OTHER S. ASIA	1901.0	1.0	1813.8	0.3	0.0	1543.3	1543.3	0.0	270.5
N.AF.-WEST HIGH	3124.8	1.2	3792.4	0.6	1844.8	5200.1	7044.9	3252.5	0.0
N.AF.-WEST LOW	9656.2	2.2	20787.7	3.5	6989.0	14360.8	21349.8	562.1	0.0
CENTRAL AFRICA	0.0	0.0	3525.0	0.6	0.0	3525.0	3525.0	0.0	0.0
EAST AFRICA	6161.1	1.6	10090.6	1.7	189.3	10063.0	10252.2	161.7	0.0
MIDDLE AMERICA	12486.0	2.1	25808.4	4.4	5384.8	16902.1	22286.9	0.0	3521.5
VENEZUELA	687.6	2.5	1703.5	0.3	649.4	1307.6	1957.0	253.5	0.0
BRAZIL	15115.6	2.4	36413.2	6.2	20292.2	6338.7	26630.9	0.0	9782.3
ARGENTINA	8595.9	2.2	18495.6	3.1	6768.7	1301.2	8069.8	0.0	10425.7
OTHER S AMERICA	3073.0	2.2	6822.5	1.2	2677.0	3773.4	6450.4	0.0	372.1
DEV-ED REGION	93254.7	4.3	401597.4	67.9	352800.5	48509.0	401309.7	47652.2	47940.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22599.7	0.0
LESS DEV-ED RG	115577.7	1.6	189630.1	32.1	56084.7	111233.5	167318.2	7374.4	29686.4
WORLD TOTAL	208832.2	2.8	591227.3	100.0	408884.7	159742.4	568627.8	77626.1	77626.2

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV-A: WHEAT UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT			1,000 METRIC TONS		
UNITED STATES	23154.9	2.5	57881.8	21.1	8600.1	17365.0	25965.1	0.0	31916.7
CANADA	8840.8	2.4	20944.4	7.6	3539.1	2655.7	6194.8	0.0	14749.7
EURO SIX	6840.3	4.5	30939.8	11.3	14055.1	24095.6	38150.7	7210.8	0.0
EURO THREE	1209.6	4.1	5009.8	1.8	4839.3	6131.2	10970.5	5960.7	0.0
OTHER W EUROPE	5114.0	2.1	10523.4	3.8	2938.0	9912.6	12850.6	2327.2	0.0
SOUTH AFRICA	2359.0	1.0	2274.4	0.8	0.0	2126.4	2126.4	0.0	148.0
JAPAN	125.1	2.8	351.5	0.1	0.0	8483.1	8483.1	8131.5	0.0
AUST-N ZEALAND	10149.6	1.4	14473.9	5.3	1470.6	2488.7	3959.3	0.0	10514.6
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1167.4	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	439.4
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8637.1	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	4983.2	4983.2	4983.2	0.0
EAST ASIA HIGH	201.6	3.4	676.7	0.2	0.0	6006.7	6006.7	5330.1	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1546.8	1546.8	1546.8	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	133.7	133.7	133.7	0.0
OTHER SE ASIA	0.0	0.0	0.0	0.0	0.0	438.1	438.1	438.1	0.0
INDIA	25416.7	2.1	52320.0	19.1	0.0	47360.6	47360.6	0.0	4969.4
OTHER S. ASIA	7207.6	2.0	14757.1	5.4	0.0	18030.0	18030.0	3273.0	0.0
N.AF-M-EST HIGH	9721.9	1.6	15085.7	5.5	0.0	19614.2	19614.2	4528.4	0.0
N.AF-M-EST LOW	15442.3	1.8	27686.0	10.1	0.0	29159.4	29159.4	1473.3	0.0
CENTRAL AFRICA	0.0	0.0	769.0	0.3	0.0	2668.9	2668.9	1899.9	0.0
EAST AFRICA	255.1	2.8	716.7	0.3	0.0	1297.4	1297.4	580.7	0.0
MIDDLE AMERICA	730.0	4.9	3582.7	1.3	169.6	5639.9	5809.6	2226.9	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	1476.0	1476.0	1476.0	0.0
BRAZIL	2434.2	1.5	3730.0	1.4	0.0	5996.1	5996.1	2266.2	0.0
ARGENTINA	5315.6	1.7	9156.2	3.3	0.0	4728.5	4728.5	0.0	4427.7
OTHER S AMERICA	1556.6	2.2	3395.7	1.2	0.0	6974.0	6974.0	3574.3	0.0
DEV-ED REGION	57793.4	2.5	142398.9	51.9	35442.2	73258.2	108700.4	23630.2	57328.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9804.5	439.4
LESS DEV-ED RG	68281.4	1.9	131879.4	48.1	169.6	156053.4	156222.9	33730.6	9397.1
WORLD TOTAL	126074.6	2.2	274278.2	100.0	35611.8	229311.4	264923.1	67165.3	67165.4

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000	METRIC	1,000	PERCENT	---	---	1,000	TONS	---
UNITED STATES	823.8	4.6	3797.3	1.8	0.0	1619.0	1619.0	0.0	2178.3
CANADA	0.0	0.0	0.0	0.0	0.0	79.5	79.5	79.5	0.0
EURO SIX	189.7	3.3	632.0	0.3	0.0	773.1	773.1	141.1	0.0
EURO THREE	0.0	0.0	0.0	0.0	0.0	137.5	137.5	137.5	0.0
OTHER W EUROPE	123.1	4.2	512.4	0.2	0.0	689.4	689.4	177.0	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	123.5	123.5	123.5	0.0
JAPAN	2359.6	4.3	10040.9	4.7	0.0	10146.9	10146.9	0.0	0.0
AUST-N ZEALAND	67.2	5.1	346.0	0.2	0.0	83.1	83.1	0.0	262.8
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	9.0	9.0	337.2	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	310.4	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	791.8
INDONESIA	9433.8	2.1	19397.3	9.1	0.0	23040.5	23040.5	3643.2	0.0
EAST ASIA HIGH	2040.8	4.1	8387.0	3.9	0.0	9705.8	9705.8	1318.8	0.0
EAST ASIA LOW	4278.2	2.4	10123.0	4.7	0.0	8264.3	8264.3	0.0	1858.7
THAILAND	8310.1	1.7	14314.9	6.7	0.0	12902.9	12902.9	0.0	1412.0
OTHER SE ASIA	10818.9	1.7	18362.3	8.6	0.0	16508.8	16508.8	0.0	1853.5
INDIA	43283.2	1.7	74757.2	34.9	0.0	75945.2	75945.2	1187.9	0.0
OTHER S. ASIA	15821.4	1.8	28372.3	13.3	0.0	28988.6	28988.6	616.3	0.0
N.AF.-WEST HIGH	562.4	3.9	2179.3	1.0	0.0	2976.9	2976.9	797.6	0.0
N.AF.-WEST LOW	691.4	4.2	2931.4	1.4	0.0	2437.7	2437.7	0.0	493.7
CENTRAL AFRICA	0.0	0.0	4044.2	1.9	0.0	5556.6	5556.6	1512.4	0.0
EAST AFRICA	257.6	1.7	432.7	0.2	0.0	407.8	407.8	0.0	24.9
MIDDLE AMERICA	608.7	2.3	1371.8	0.6	0.0	1677.0	1677.0	305.2	0.0
VENEZUELA	85.3	3.1	263.3	0.1	0.0	202.2	202.2	0.0	61.1
BRAZIL	6824.8	1.5	10241.2	4.8	0.0	9173.7	9173.7	0.0	1067.5
ARGENTINA	111.8	2.7	303.5	0.1	0.0	214.0	214.0	0.0	89.6
OTHER S AMERICA	1313.0	2.4	3103.6	1.5	0.0	2403.6	2403.6	0.0	700.0
DEV-ED REGION	3563.5	4.3	15328.6	7.2	0.0	13652.1	13652.1	658.6	2441.1
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	647.7	791.8
LESS DEV-ED RG	104441.2	1.9	198584.8	92.8	0.0	200405.4	200405.4	9381.5	7560.9
WORLD TOTAL	108004.6	2.0	213913.4	100.0	0.0	214057.4	214057.4	10687.8	10793.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALITY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV-A: OILMEAL UTILIZATION

APRIL 1978

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
				PERCENT	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -	- - - - -
UNITED STATES	28039.2	1.5	42578.6	53.8	18882.8	0.0	18882.8	0.0	23695.7
CANADA	3475.7	0.6	2138.6	2.7	1772.3	0.0	1772.3	0.0	366.3
EURO SIX	0.0	0.0	699.0	0.9	15879.6	0.0	15879.6	15180.6	0.0
EURO THREE	0.0	0.0	693.4	0.9	6046.4	0.0	6046.4	5351.0	0.0
OTHER W EUROPE	699.8	1.7	1202.5	1.5	4692.9	0.0	4692.9	3490.4	0.0
SOUTH AFRICA	0.0	0.0	919.4	1.2	719.0	0.0	719.0	0.0	200.5
JAPAN	6.0	0.0	1212.2	1.5	8392.5	594.3	8986.8	7774.6	0.0
AUST-N ZEALAND	429.1	0.4	168.7	0.2	0.0	200.3	200.3	31.6	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5756.8	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5040.8	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
INDONESIA	1085.9	0.7	737.6	0.9	0.0	345.7	345.7	0.0	391.9
EAST ASIA HIGH	504.8	0.4	212.6	0.3	1418.9	0.0	1418.9	1206.3	0.0
EAST ASIA LOW	0.0	0.0	505.5	0.6	0.0	0.0	0.0	0.0	506.5
INDIA	20689.3	0.3	5551.7	7.0	4018.1	0.0	4018.1	0.0	1533.6
N.AF.-M.EAST HIGH	0.0	0.0	0.0	0.0	627.1	0.0	627.1	627.1	0.0
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1924.4
MIDDLE AMERICA	676.0	1.7	1118.8	0.0	0.0	0.0	0.0	519.5	0.0
BRAZIL	14226.0	1.1	15610.5	19.7	1638.5	0.0	1638.5	0.0	13153.7
ARGENTINA	2965.1	0.5	1482.6	1.9	2456.8	0.0	2456.8	0.0	1188.8
OTHER S AMERICA	471.7	0.0	4253.0	5.4	6.0	293.8	293.8	0.0	3701.3
DEV-ED REGION	32643.9	1.5	49614.4	62.7	551.7	0.0	551.7	0.0	24262.5
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	56385.4	794.6	57180.0	31328.1	0.0
LESS DEV-ED RG	40619.3	0.7	29473.3	37.3	0.0	0.0	0.0	11297.6	0.0
WORLD TOTAL	73263.1	1.1	79087.5	100.0	10711.0	639.5	11350.4	2353.0	22400.2
					67096.4	1434.0	68530.4	45478.7	46662.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

1985 ALTERNATIVE IV-A: MILK PRODUCTS UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	62313.0	25.7	0.0	0.0	0.0	0.0	0.0
CANADA	10521.6	4.3	0.0	0.0	0.0	0.0	0.0
EURO SIX	92065.9	38.0	0.0	0.0	0.0	0.0	0.0
EURO THREE	22113.1	9.1	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	27150.6	11.2	0.0	0.0	0.0	0.0	0.0
JAPAN	9901.1	4.1	0.0	0.0	0.0	0.0	0.0
AUST-N ZEALAND	18484.8	7.6	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	242550.1	100.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	242550.1	100.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: FLUID MILK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - - 1,000 METRIC TONS - - - - -				
UNITED STATES	0.0	0.0	0.0	35328.1	35328.1	0.0	0.0
CANADA	0.0	0.0	0.0	4336.1	4336.1	0.0	0.0
EURO SIX	0.0	0.0	0.0	38478.6	38478.6	0.0	0.0
EURO THREE	0.0	0.0	0.0	14017.3	14017.3	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.0	17856.5	17856.5	0.0	0.0
JAPAN	0.0	0.0	0.0	9691.1	9691.1	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	3969.4	3969.4	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	123677.2	123677.2	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	123677.2	123677.2	0.0	0.0

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: BUTTER UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	636.4	19.9	0.0	636.4	636.4	0.0	0.0
CANADA	189.8	5.6	0.0	144.3	144.3	0.0	45.6
EURO SIX	1487.1	44.2	0.0	1445.5	1445.5	0.0	41.5
EURO THREE	250.4	7.4	0.0	344.5	344.5	94.2	0.0
OTHER W EUROPE	160.7	4.8	0.0	345.7	345.7	185.0	0.0
JAPAN	-5.7	-0.2	0.0	131.1	131.1	136.8	0.0
AUST-N ZEALAND	642.6	19.1	0.0	195.9	195.9	0.0	446.7
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	117.8	0.0
DEV-ED REGION	3361.2	100.0	0.0	3243.4	3243.4	416.0	533.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	117.8	0.0
WORLD TOTAL	3361.2	100.0	0.0	3243.4	3243.4	533.8	533.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: CHEESE UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	-- -- -- -- -- 1,000 METRIC TONS -- -- -- --				
UNITED STATES	1505.2	26.6	0.0	1591.0	1591.0	85.8	0.0
CANADA	158.1	2.8	0.0	194.9	194.9	36.8	0.0
EURO SIX	2742.0	48.5	0.0	2657.7	2657.7	0.0	84.3
EURO THREE	311.8	5.5	0.0	247.1	247.1	0.0	64.7
OTHER W EUROPE	714.7	12.6	0.0	667.8	667.8	0.0	46.9
JAPAN	37.1	0.7	0.0	172.6	172.6	135.5	0.0
AUST-N ZEALAND	188.3	3.3	0.0	107.0	107.0	0.0	81.3
DEV-ED REGION	5657.1	100.0	0.0	5638.2	5638.2	258.2	277.1
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	5657.1	100.0	0.0	5638.2	5638.2	258.2	277.1

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: TOTAL MEAT UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
UNITED STATES	28439.8	35.4	0.0	27544.8	27544.8	209.5	714.9
CANADA	3131.7	3.9	0.0	3025.8	3025.8	0.0	104.1
EURO SIX	17462.4	21.7	0.0	18595.2	18595.2	1443.9	311.1
EURO THREE	5853.2	7.3	0.0	5956.1	5956.1	400.0	307.1
OTHER W EUROPE	5307.7	6.6	0.0	6289.1	6289.1	886.3	0.0
JAPAN	4459.9	5.6	0.0	5913.8	5913.8	1418.6	0.0
AUST-N ZEALAND	4732.1	5.9	0.0	2009.3	2009.3	0.0	2432.3
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	225.9
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	18.9	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	2386.2	3.0	0.0	2400.1	2400.1	170.7	156.8
BRAZIL	4427.6	5.5	0.0	4611.4	4611.4	185.6	0.0
ARGENTINA	4080.0	5.1	0.0	2796.9	2796.9	0.0	1275.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	813.2	0.0
DEV-ED REGION	69396.7	86.4	0.0	69333.9	69333.9	4358.2	3869.6
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	18.9	338.9
LESS DEV-ED RG	10893.8	13.6	0.0	9808.4	9808.4	1169.4	1431.8
WORLD TOTAL	80290.6	100.0	0.0	79142.2	79142.2	5546.6	5640.2

NOTE: TOTAL MEAT IS A SUMMATION OF MEAT CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, BEEF AND VEAL, PORK, POULTRY, LAMB AND MUTTON, AND OTHER MEAT, WHERE EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE INDIVIDUAL MEAT CATEGORIES.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: BEEF AND VEAL UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	13572.7	36.7	0.0	13624.9	13624.9	101.9	49.7
CANADA	1548.4	4.2	0.0	1493.6	1493.6	0.0	54.8
EURO SIX	6028.9	16.3	0.0	7412.0	7412.0	1383.1	0.0
EURO THREE	2127.2	5.8	0.0	1820.0	1820.0	0.0	307.1
OTHER W EUROPE	1684.6	4.6	0.0	2233.2	2233.2	548.7	0.0
JAPAN	930.7	2.5	0.0	1580.3	1580.3	649.5	0.0
AUST-N ZEALAND	2360.2	6.4	0.0	977.7	977.7	0.0	1382.5
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	145.9
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	18.9	0.0
MIDDLE AMERICA	1788.9	4.8	0.0	1632.1	1632.1	0.0	156.8
BRAZIL	3314.8	9.0	0.0	3500.3	3500.3	185.6	0.0
ARGENTINA	3595.4	9.7	0.0	2332.3	2332.3	0.0	1263.1
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	422.5	0.0
DEV-ED REGION	28252.6	76.5	0.0	29141.7	29141.7	2683.3	1794.2
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	18.9	145.9
LESS DEV-ED RG	8699.0	23.5	0.0	7464.7	7464.7	608.0	1419.9
WORLD TOTAL	36951.6	100.0	0.0	36606.4	36606.4	3310.2	3359.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GOL MODEL.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: PORK UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS		
UNITED STATES	7409.8	29.8	0.0	6744.5	6744.5	0.0	665.2
CANADA	808.5	3.3	0.0	759.1	759.1	0.0	49.3
EURO SIX	7416.6	29.8	0.0	7155.3	7155.3	0.0	261.3
EURO THREE	2513.8	10.1	0.0	2542.8	2542.8	29.0	0.0
OTHER W EUROPE	2115.9	8.5	0.0	2393.0	2393.0	277.1	0.0
JAPAN	2329.7	9.4	0.0	2777.3	2777.3	447.6	0.0
AUST-N ZEALAND	267.0	1.1	0.0	260.8	260.8	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	80.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	113.0
MIDDLE AMERICA	597.4	2.4	0.0	768.0	768.0	170.7	0.0
BRAZIL	1112.9	4.5	0.0	1111.1	1111.1	0.0	0.0
ARGENTINA	296.8	1.2	0.0	288.7	288.7	0.0	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	244.5	0.0
DEV-ED REGION	22861.2	91.9	0.0	22632.8	22632.8	753.7	975.9
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	193.0
LESS DEV-ED RG	2007.0	8.1	0.0	2167.8	2167.8	415.1	0.0
WORLD TOTAL	24868.2	100.0	0.0	24800.6	24800.6	1168.9	1168.9

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: POULTRY UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT				1,000 METRIC TONS	
UNITED STATES	7457.3						
CANADA	774.8	47.5	0.0	7175.3	7175.3	0.0	0.0
EURO SIX	3819.9	4.9	0.0	773.0	773.0	0.0	0.0
EURO THREE	958.8	24.3	0.0	3770.1	3770.1	0.0	49.8
OTHER W EUROPE	1208.8	6.1	0.0	964.6	964.6	5.8	0.0
JAPAN	1199.5	7.7	0.0	1303.9	1303.9	0.0	0.0
AUST-N ZEALAND	284.2	7.6	0.0	1234.9	1234.9	0.0	0.0
DEV-ED REGION	15703.4	1.8	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	100.0	0.0	15221.8	15221.8	5.8	49.8
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	15703.4	100.0	0.0	15221.8	15221.8	5.8	49.8

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS SPECIFIED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE; USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

1985 ALTERNATIVE IV-A: LAMB AND MUTTON UTILIZATION

APRIL 1978

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS
	1,000 METRIC TONS	PERCENT	- - - - -	- - - - -	- - - - -	1,000 METRIC TONS	- - - - -
UNITED STATES	0.0	0.0	0.0	0.0	0.0	107.5	0.0
EURO SIX	197.1	7.1	0.0	257.8	257.8	60.7	0.0
EURO THREE	263.5	9.5	0.0	628.7	628.7	365.2	0.0
OTHER W EUROPE	298.4	10.8	0.0	359.0	359.0	60.5	0.0
JAPAN	0.0	0.0	0.0	321.4	321.4	321.4	0.0
AUST-N ZEALAND	1820.6	65.8	0.0	770.8	770.8	0.0	1049.8
ARGENTINA	187.8	6.8	0.0	175.9	175.9	0.0	11.9
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	146.3	0.0
DEV-ED REGION	2579.5	93.2	0.0	2337.6	2337.6	915.4	1049.8
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	187.8	6.8	0.0	175.9	175.9	146.3	11.9
WORLD TOTAL	2767.4	100.0	0.0	2513.6	2513.6	1061.7	1061.7

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

COMPUTER RUNS OF COMMODITY BALANCES, RELATED DATA: PER CAPITA SUPPLY AND UTILIZATION
OF GOL COMMODITIES, GROWTH RATES, AND FEED-MEAT RATIOS, FOR MAJOR REGIONS OF THE
WORLD, BASE 1970 AND PROJECTED 1985, BY ALTERNATIVE

1970 BASE: TOTAL GRAIN PER CAPITA UTILIZATION

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
KILOGRAMS				
UNITED STATES	1018.8	667.6	157.3	824.9
CANADA	1588.2	727.8	220.9	948.6
EURO SIX	380.1	247.9	174.0	421.9
EURO THREE	344.1	320.1	175.3	495.3
OTHER W EUROPE	346.3	245.9	162.1	408.0
SOUTH AFRICA	477.7	106.8	232.3	339.1
JAPAN	121.5	88.6	178.3	267.0
AUST-N ZEALAND	980.4	183.4	211.2	394.6
EAST EUROPE	573.6	144.3	482.4	626.6
SOVIET UNION	679.5	341.9	321.4	663.3
CHINA	216.3	9.3	210.9	220.2
INDONESIA	122.0	0.0	129.7	129.7
EAST ASIA HIGH	173.6	37.6	253.5	291.1
EAST ASIA LOW	137.6	0.0	172.1	172.1
THAILAND	291.8	0.0	204.5	204.5
OTHER SE ASIA	213.2	0.0	209.8	209.8
INDIA	154.0	1.8	159.3	161.1
OTHER S. ASIA	137.9	0.0	150.4	150.4
N.AF.-M.EST HIGH	156.6	13.3	213.1	226.4
N.AF.-M.EST LOW	249.2	39.7	263.4	303.2
CENTRAL AFRICA	35.8	0.0	41.1	41.1
EAST AFRICA	120.9	0.5	122.1	122.6
MIDDLE AMERICA	199.7	39.4	174.9	214.3
VENEZUELA	77.0	27.8	145.2	173.0
BRAZIL	222.6	114.9	124.0	238.9
ARGENTINA	795.6	213.1	234.9	447.9
OTHER S AMERICA	111.4	26.0	120.2	146.1

1970 BASE: COARSE GRAINS PER CAPITA UTILIZATION

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
KILOGRAMS				
UNITED STATES	809.4	638.0	73.5	711.6
CANADA	822.6	622.2	101.3	723.5
EURO SIX	208.9	202.2	52.2	254.4
EURO THREE	263.6	264.4	74.8	339.2
OTHER W EUROPE	220.4	223.3	46.0	269.3
SOUTH AFRICA	409.2	105.8	166.9	273.7
JAPAN	6.9	88.6	17.9	106.5
AUST-N ZEALAND	353.0	130.5	64.3	194.8
EAST EUROPE	363.3	124.1	252.0	376.1
SOVIET UNION	293.8	193.6	102.4	296.1
CHINA	93.3	9.3	84.0	93.3
INDONESIA	22.8	0.0	20.0	20.0
EAST ASIA HIGH	40.8	37.6	35.2	72.8
EAST ASIA LOW	42.9	0.0	45.6	45.6
THAILAND	52.5	0.0	5.7	5.7
OTHER SE ASIA	5.4	0.0	1.5	1.5
INDIA	43.2	1.8	43.4	45.2
OTHER S. ASIA	5.2	0.0	5.4	5.4
N.AF.-M.EST HIGH	35.9	13.3	43.6	56.8
N.AF.-M.EST LOW	114.4	39.7	80.9	120.6
CENTRAL AFRICA	16.3	0.0	16.3	16.3
EAST AFRICA	110.3	0.5	108.2	108.7
MIDDLE AMERICA	164.0	38.2	127.9	166.1
VENEZUELA	64.9	27.8	69.1	96.9
BRAZIL	153.8	114.9	34.3	149.2
ARGENTINA	542.8	213.1	53.3	266.3
OTHER S AMERICA	57.2	26.0	37.3	63.3

1970 BASE: WHEAT PER CAPITA UTILIZATION

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
KILOGRAMS				
UNITED STATES	195.4	29.5	77.4	106.9
CANADA	765.6	105.6	116.7	222.3
EURO SIX	167.7	45.7	118.6	164.3
EURO THREE	80.5	55.6	98.2	153.8
OTHER W EUROPE	120.5	22.7	109.0	131.7
SOUTH AFRICA	68.5	0.0	61.7	61.7
JAPAN	5.3	0.0	48.2	48.2
AUST-N ZEALAND	614.9	52.9	143.0	195.8
EAST EUROPE	209.1	20.2	227.2	247.3
SOVIET UNION	382.3	148.3	214.2	362.5
CHINA	31.6	0.0	36.6	36.6
INDONESIA	0.0	0.0	4.4	4.4
EAST ASIA HIGH	6.8	0.0	63.1	63.1
EAST ASIA LOW	0.0	0.0	19.6	19.6
THAILAND	0.0	0.0	1.9	1.9
OTHER SE ASIA	0.0	0.0	5.2	5.2
INDIA	36.9	0.0	39.8	39.8
OTHER S. ASIA	40.6	0.0	50.8	50.8
N.AF.-M.EST HIGH	106.2	0.0	148.3	148.3
N.AF.-M.EST LOW	118.6	0.0	169.7	169.7
CENTRAL AFRICA	3.5	0.0	5.0	5.0
EAST AFRICA	6.9	0.0	9.8	9.8
MIDDLE AMERICA	26.6	1.2	36.2	37.4
VENEZUELA	0.0	0.0	65.5	65.5
BRAZIL	18.7	0.0	39.9	39.9
ARGENTINA	243.2	0.0	174.9	174.9
OTHER S AMERICA	31.6	0.0	62.2	62.2

1970 BASE: RICE PER CAPITA UTILIZATION

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
KILOGRAMS				
UNITED STATES	14.0	0.0	6.4	6.4
CANADA	0.0	0.0	2.9	2.9
EURO SIX	3.5	0.0	3.2	3.2
EURO THREE	0.0	0.0	2.3	2.3
OTHER W EUROPE	5.5	0.0	7.0	7.0
SOUTH AFRICA	0.0	0.0	3.6	3.6
JAPAN	109.3	0.0	112.2	112.2
AUST-N ZEALAND	12.5	0.0	4.0	4.0
EAST EUROPE	1.2	0.0	3.2	3.2
SOVIET UNION	3.4	0.0	4.7	4.7
CHINA	91.5	0.0	90.3	90.3
INDONESIA	99.2	0.0	105.3	105.3
EAST ASIA HIGH	126.1	0.0	155.1	155.1
EAST ASIA LOW	94.8	0.0	106.9	106.9
THAILAND	239.3	0.0	197.0	197.0
OTHER SE ASIA	207.9	0.0	203.1	203.1
INDIA	73.9	0.0	76.1	76.1
OTHER S. ASIA	92.0	0.0	94.3	94.3
N.AF.-M.EST HIGH	14.6	0.0	21.3	21.3
N.AF.-M.EST LOW	16.2	0.0	12.8	12.8
CENTRAL AFRICA	16.0	0.0	19.8	19.8
EAST AFRICA	3.7	0.0	4.1	4.1
MIDDLE AMERICA	9.1	0.0	10.8	10.8
VENEZUELA	12.1	0.0	10.6	10.6
BRAZIL	50.2	0.0	49.7	49.7
ARGENTINA	9.6	0.0	6.7	6.7
OTHER S AMERICA	22.7	0.0	20.7	20.7

1970 BASE: OILMEAL PER CAPITA UTILIZATION

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
KILOGRAMS				
UNITED STATES	123.9	69.5	0.0	69.5
CANADA	62.1	41.4	0.0	41.4
EURO SIX	2.9	56.1	0.0	56.1
EURO THREE	8.6	47.8	0.0	47.8
OTHER W EUROPE	13.2	36.0	0.0	36.0
SOUTH AFRICA	32.1	20.0	0.0	20.0
JAPAN	9.4	29.9	6.2	36.2
AUST-N ZEALAND	3.9	0.0	9.9	9.9
EAST EUROPE	10.5	19.8	0.0	19.8
SOVIET UNION	23.1	23.1	0.0	23.1
CHINA	5.1	4.8	0.0	4.8
INDONESIA	4.2	0.0	1.6	1.6
EAST ASIA HIGH	2.9	15.7	0.0	15.7
EAST ASIA LOW	17.8	10.3	0.0	10.3
INDIA	6.1	4.8	0.0	4.8
N.AF.-M.EST HIGH	0.0	5.4	0.0	5.4
CENTRAL AFRICA	11.9	3.9	0.0	3.9
MIDDLE AMERICA	10.0	11.7	0.0	11.7
BRAZIL	19.2	7.4	0.0	7.4
ARGENTINA	42.9	0.0	10.1	10.1
OTHER S AMERICA	59.5	5.5	0.0	5.5

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
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KILOGRAMS

MILK PRODUCTS

UNITED STATES	259.5	0.0	0.0	0.0
CANADA	393.9	0.0	0.0	0.0
EURO SIX	395.6	0.0	0.0	0.0
EURO THREE	327.8	0.0	0.0	0.0
OTHER W EUROPE	264.8	0.0	0.0	0.0
JAPAN	45.0	0.0	0.0	0.0
AUST-N ZEALAND	896.9	0.0	0.0	0.0

FLUID MILK

UNITED STATES	0.0	0.0	163.8	163.8
CANADA	0.0	0.0	176.5	176.5
EURO SIX	0.0	0.0	167.6	167.6
EURO THREE	0.0	0.0	196.3	196.3
OTHER W EUROPE	0.0	0.0	158.1	158.1
JAPAN	0.0	0.0	33.1	33.1
AUST-N ZEALAND	0.0	0.0	209.9	209.9

BUTTER

UNITED STATES	2.5	0.0	2.4	2.4
CANADA	7.0	0.0	7.0	7.0
EURO SIX	6.9	0.0	6.4	6.4
EURO THREE	4.3	0.0	8.9	8.9
OTHER W EUROPE	3.1	0.0	3.0	3.0
JAPAN	0.4	0.0	0.4	0.4
AUST-N ZEALAND	29.1	0.0	11.4	11.4

CHEESE

UNITED STATES	4.8	0.0	5.2	5.2
CANADA	4.8	0.0	5.3	5.3
EURO SIX	9.9	0.0	9.7	9.7
EURO THREE	4.4	0.0	5.6	5.6
OTHER W EUROPE	5.3	0.0	4.5	4.5
JAPAN	0.1	0.0	0.4	0.4
AUST-N ZEALAND	11.6	0.0	3.9	3.9

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
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KILOGRAMS

TOTAL MEAT

UNITED STATES	103.5	0.0	106.9	106.9
CANADA	90.9	0.0	91.7	91.7
EURO SIX	61.6	0.0	63.7	63.7
EURO THREE	65.1	0.0	73.0	73.0
OTHER W EUROPE	41.0	0.0	44.3	44.3
JAPAN	13.1	0.0	15.5	15.5
AUST-N ZEALAND	200.3	0.0	105.5	105.5
EAST EUROPE	40.3	0.0	39.2	39.2
SOVIET UNION	21.0	0.0	20.8	20.8
CHINA	11.7	0.0	11.5	11.5
MIDDLE AMERICA	15.0	0.0	13.1	13.1
BRAZIL	25.8	0.0	24.5	24.5
ARGENTINA	120.3	0.0	91.8	91.8

BEEF AND VEAL

UNITED STATES	49.1	0.0	52.7	52.7
CANADA	41.9	0.0	43.4	43.4
EURO SIX	23.5	0.0	25.7	25.7
EURO THREE	21.0	0.0	24.0	24.0
OTHER W EUROPE	12.9	0.0	15.2	15.2
JAPAN	2.4	0.0	2.8	2.8
AUST-N ZEALAND	90.4	0.0	42.7	42.7
EAST EUROPE	14.7	0.0	14.0	14.0
SOVIET UNION	21.0	0.0	20.8	20.8
MIDDLE AMERICA	10.7	0.0	8.8	8.8
BRAZIL	19.4	0.0	18.0	18.0
ARGENTINA	103.6	0.0	77.2	77.2

REGION	PRODUCTION	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE
KILOGRAMS				
PORK				
UNITED STATES	30.4	0.0	30.9	30.9
CANADA	28.6	0.0	28.0	28.0
EURO SIX	26.9	0.0	26.6	26.6
EURO THREE	29.0	0.0	29.2	29.2
OTHER W EUROPE	18.2	0.0	18.1	18.1
JAPAN	6.1	0.0	6.4	6.4
AUST-N ZEALAND	13.8	0.0	13.5	13.5
EAST EUROPE	25.6	0.0	25.2	25.2
CHINA	11.7	0.0	11.5	11.5
MIDDLE AMERICA	4.3	0.0	4.3	4.3
BRAZIL	6.5	0.0	6.4	6.4
ARGENTINA	9.1	0.0	8.9	8.9

POULTRY

UNITED STATES	22.7	0.0	21.9	21.9
CANADA	20.4	0.0	20.4	20.4
EURO SIX	10.2	0.0	10.2	10.2
EURO THREE	10.8	0.0	10.2	10.2
OTHER W EUROPE	6.5	0.0	7.0	7.0
JAPAN	4.6	0.0	4.7	4.7
AUST-N ZEALAND	10.0	0.0	9.9	9.9

LAMB AND MUTTON

UNITED STATES	1.2	0.0	1.5	1.5
EURO SIX	1.0	0.0	1.2	1.2
EURO THREE	4.2	0.0	9.6	9.6
OTHER W EUROPE	3.3	0.0	3.9	3.9
JAPAN	0.0	0.0	1.6	1.6
AUST-N ZEALAND	86.0	0.0	39.4	39.4
ARGENTINA	7.6	0.0	5.7	5.7

1970 BASE: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	6.45181	0.67145
CANADA	8.00889	0.45526
EURO SIX	4.02217	0.90977
EURO THREE	4.91782	0.73406
OTHER W EUROPE	6.00387	0.87827
JAPAN	6.79001	2.29368
AUST-N ZEALAND	0.91591	0.0
EAST EUROPE	3.57707	0.48984
CHINA	0.79770	0.41092
MIDDLE AMERICA	2.63082	0.77900
BRAZIL	4.45190	0.28571
ARGENTINA	1.77090	0.0
DEV-ED REGION	5.43778	0.75462
CENTRAL PLAN RG	5.68341	0.61596
LESS DEV-ED RG	4.50543	1.07472
WORLD TOTAL	5.41820	0.74701

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

1985 ALTERNATIVE I: TOTAL GRAIN

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
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-- PERCENT PER ANNUM --																		
-- KILOGRAMS --																		
-- PERCENT PER ANNUM --																		
UNITED STATES	0.62	1.57	2.20	1.75	0.64	1.55	1267.66	776.88	155.26	932.14	1.47	1.02	-0.09	0.82				
CANADA	0.45	2.25	2.71	2.60	0.61	2.18	1914.50	863.19	195.40	1058.59	1.25	1.14	-0.81	0.73				
EURO SIX	0.07	2.22	2.30	2.78	0.51	1.93	490.10	343.02	172.12	515.13	1.71	2.19	-0.07	1.34				
EURO THREE	0.78	1.03	1.82	1.14	-0.41	0.63	424.38	356.84	154.90	511.74	1.41	0.73	-0.82	0.22				
OTHER W EUROPE	0.11	2.36	2.47	2.33	0.63	1.70	455.51	316.75	162.46	479.21	1.84	1.70	0.02	1.08				
SOUTH AFRICA	0.93	1.39	2.34	3.48	2.93	3.11	435.81	115.07	231.04	346.12	-0.61	0.50	-0.04	0.14				
JAPAN	-1.65	0.82	-0.85	6.75	0.89	3.38	91.11	201.08	173.53	374.60	-1.90	5.61	-0.18	2.28				
AUST-N ZEALAND	1.91	1.25	3.18	3.52	1.05	2.30	1206.14	237.05	189.80	426.85	1.39	1.72	-0.71	0.52				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	1.36	1.72	3.10	0.0	4.28	4.28	130.50	0.0	164.48	164.48	0.45	0.0	1.60	1.60				
EAST ASIA HIGH	0.17	0.37	0.55	4.09	2.23	2.50	151.06	51.35	264.31	315.66	-1.38	2.10	0.28	0.54				
EAST ASIA LOW	1.93	2.22	4.19	0.0	3.17	3.25	157.04	2.02	169.54	171.56	0.88	0.0	-0.10	-0.02				
THAILAND	2.08	1.33	3.44	0.0	3.70	3.70	297.84	0.0	216.75	216.75	0.14	0.0	0.39	0.39				
OTHER SE ASIA	0.82	2.29	3.13	0.0	2.35	2.68	238.31	10.33	209.48	219.81	0.74	0.0	-0.01	0.31				
INDIA	1.14	1.85	3.01	7.95	2.86	2.94	166.64	3.91	168.71	172.62	0.53	5.34	0.38	0.46				
OTHER S. ASIA	1.03	1.95	3.00	0.0	3.03	3.03	137.41	0.0	150.59	150.59	-0.02	0.0	0.01	0.01				
N.AF.-M.EST HIGH	0.86	1.96	2.84	4.94	4.59	4.61	148.19	16.97	259.46	276.43	-0.37	1.66	1.32	1.34				
N.AF.-M.EST LOW	0.51	2.08	2.60	2.64	2.82	2.80	240.40	38.53	262.40	300.92	-0.24	-0.21	-0.03	-0.05				
CENTRAL AFRICA	0.0	0.0	1.92	0.0	2.82	2.82	31.64	0.0	41.49	41.49	-0.81	0.0	0.06	0.06				
EAST AFRICA	0.76	1.32	2.08	13.30	3.41	3.49	105.28	2.02	129.04	131.07	-0.92	9.96	0.37	0.45				
MIDDLE AMERICA	0.74	2.18	2.93	3.71	3.57	3.60	194.89	43.03	187.26	230.30	-0.16	0.59	0.46	0.48				
VENEZUELA	0.38	2.13	2.52	4.50	3.94	4.04	72.35	34.78	167.73	202.52	-0.42	1.50	0.97	1.06				
BRAZIL	2.45	1.60	4.09	3.63	3.84	3.74	266.55	128.74	143.14	271.88	1.21	0.76	0.96	0.87				
ARGENTINA	1.36	1.06	2.44	1.38	0.81	1.08	945.42	216.70	219.42	436.12	1.16	0.11	-0.45	-0.18				
OTHER S AMERICA	1.18	1.41	2.61	3.23	3.52	3.47	109.05	27.79	134.20	161.99	-0.14	0.45	0.74	0.69				

1985 ALTERNATIVE I: COARSE GRAINS

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	-- PERCENT PER ANNUM --					
											PROD	FEED	FOOD	TOTAL		
UNITED STATES	0.02	2.02	2.05	1.77	0.64	1.66	984.23	744.62	72.58	817.20	1.31	1.04	-0.09	0.93		
CANADA	0.90	2.38	3.30	2.61	0.52	2.35	1080.65	739.74	88.40	828.15	1.84	1.16	-0.90	0.90		
EURO SIX	1.02	2.12	3.16	2.78	0.88	2.43	305.40	279.87	54.60	334.47	2.56	2.19	0.30	1.84		
EURO THREE	0.81	1.26	2.08	1.09	-0.38	0.79	337.34	292.61	66.43	359.05	1.66	0.68	-0.79	0.38		
OTHER W EUROPE	0.70	2.45	3.16	2.31	0.93	2.09	320.59	286.87	48.29	335.17	2.53	1.69	0.32	1.47		
SOUTH AFRICA	0.81	1.40	2.22	3.48	2.83	3.09	367.08	115.07	163.71	278.79	-0.72	0.50	-0.13	0.12		
JAPAN	-2.18	0.30	-1.89	6.75	2.10	6.14	4.45	201.08	20.82	221.89	-2.93	5.61	1.01	5.01		
AUST-N ZEALAND	1.91	1.43	3.37	3.54	1.10	2.82	446.35	169.17	58.24	227.41	1.58	1.74	-0.66	1.04		
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
INDONESIA	0.33	4.14	4.49	0.0	5.26	5.26	29.80	0.0	29.17	29.17	1.80	0.0	2.55	2.55		
EAST ASIA HIGH	0.05	0.72	0.76	4.09	2.33	3.29	34.21	51.35	37.23	88.57	-1.16	2.10	0.37	1.32		
EAST ASIA LOW	2.34	2.11	4.50	0.0	3.54	3.92	51.17	2.02	48.05	50.07	1.19	0.0	0.35	0.63		
THAILAND	3.16	1.26	4.46	0.0	5.78	5.78	62.09	0.0	8.07	8.07	1.13	0.0	2.40	2.40		
OTHER SE ASIA	0.0	0.0	9.24	0.0	2.54	17.42	14.20	10.33	1.56	11.89	6.71	0.0	0.17	14.71		
INDIA	0.35	2.12	2.47	7.95	2.25	2.58	43.17	3.91	42.01	45.92	-0.00	5.34	-0.21	0.11		
OTHER S. ASIA	0.76	2.49	3.27	0.0	3.28	3.28	5.42	0.0	5.58	5.58	0.24	0.0	0.25	0.25		
N.AF.-N.EST HIGH	0.26	1.89	2.15	4.94	4.23	4.40	30.62	16.97	50.36	67.34	-1.05	1.66	0.97	1.14		
N.AF.-N.EST LOW	-0.42	2.22	1.79	2.64	2.91	2.82	97.98	38.53	81.60	120.13	-1.03	-0.21	0.06	-0.03		
CENTRAL AFRICA	0.0	0.0	1.25	0.0	1.25	1.25	13.04	0.0	13.04	13.04	-1.47	0.0	-1.47	-1.47		
EAST AFRICA	0.73	1.33	2.07	13.30	3.20	3.29	95.88	2.02	110.87	112.89	-0.93	9.96	0.16	0.25		
MIDDLE AMERICA	0.78	2.35	3.15	3.71	3.37	3.45	165.14	41.72	133.00	174.72	0.05	0.59	0.26	0.34		
VENEZUELA	0.57	1.96	2.54	4.50	3.55	3.84	61.17	34.78	75.40	110.18	-0.39	1.50	0.59	0.86		
BRAZIL	2.42	1.76	4.22	3.63	4.49	3.84	187.55	128.74	43.52	172.26	1.33	0.76	1.60	0.96		
ARGENTINA	1.45	0.71	2.17	1.38	0.49	1.21	620.40	216.70	47.45	264.15	0.89	0.11	-0.77	-0.06		
OTHER S AMERICA	0.55	1.57	2.13	3.23	3.17	3.19	52.13	27.79	39.63	67.42	-0.61	0.45	0.40	0.42		

1985 ALTERNATIVE I: WHEAT

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
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-- -- -- -- -- PERCENT PER ANNUM -- -- -- -- -- KILOGRAMS -- -- -- -- -- PERCENT PER ANNUM -- --														
UNITED STATES	2.97	0.77	3.76	2.63	0.0	2.63	193.31	92.06	0.0	92.06	3.01	1.89	0.0	1.89
CANADA	1.58	1.56	3.17	3.91	0.0	3.91	80.03	59.40	0.0	59.40	1.71	2.44	0.0	2.44
EURO SIX	0.0	0.0	1.62	3.38	0.0	3.38	3.41	84.63	0.0	84.63	1.04	2.78	0.0	2.78
EURO THREE	0.0	0.0	1.65	5.50	0.0	5.50	10.31	100.36	0.0	100.36	1.23	5.07	0.0	5.07
OTHER W EUROPE	1.54	-0.82	0.70	3.85	0.0	3.85	13.22	57.83	0.0	57.83	0.09	3.21	0.0	3.21
SOUTH AFRICA	0.0	0.0	1.96	3.48	0.0	3.48	27.73	21.51	0.0	21.51	-0.97	0.50	0.0	0.50
JAPAN	0.0	0.0	1.42	5.73	-0.57	4.96	9.87	58.87	4.88	63.75	0.35	4.61	-1.63	3.85
EAST-N ZEALAND	5.41	1.63	7.13	0.0	1.91	1.91	8.46	0.0	10.13	10.13	5.27	0.0	0.14	0.14
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	1.13	0.96	2.11	0.0	3.64	3.64	3.88	0.0	1.82	1.82	-0.52	0.0	0.98	0.98
EAST ASIA HIGH	0.54	0.81	1.36	3.53	0.0	3.53	2.70	19.78	0.0	19.78	-0.58	1.56	0.0	1.56
EAST ASIA LOW	0.0	0.0	-3.36	0.0	0.0	0.0	6.56	0.0	0.0	0.0	-6.43	0.0	0.0	0.0
INDIA	2.14	0.47	2.62	2.51	0.0	2.51	6.26	4.88	0.0	4.88	0.15	0.04	0.0	0.04
N.A.F.-WEST HIGH	0.0	0.0	0.0	3.86	0.0	3.86	0.0	5.87	0.0	5.87	0.0	0.61	0.0	0.61
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	1.31	0.25	1.56	3.70	0.0	3.70	8.00	12.72	0.0	12.72	-1.50	0.58	0.0	0.58
BRAZIL	17.40	-1.83	15.26	8.47	0.0	8.47	105.98	16.38	0.0	16.38	12.06	5.47	0.0	5.47
ARGENTINA	1.58	0.52	2.10	0.0	1.01	1.01	48.51	0.0	9.68	9.68	0.83	0.0	-0.26	-0.26
ATHER S AMERICA	1.02	-0.11	0.91	3.08	0.0	3.08	45.26	5.78	0.0	5.78	-1.80	0.31	0.0	0.31

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
- - - - - PERCENT PER ANNUM - - - - -																
MILK PRODUCTS																
FLUID MILK																
UNITED STATES	0.0	0.0	1.24	0.0	0.0	0.0	280.11	0.0	0.0	0.0	0.51	0.0	0.0	0.0		
CANADA	0.0	0.0	1.67	0.0	0.0	0.0	407.62	0.0	0.0	0.0	0.23	0.0	0.0	0.0		
EURO SIX	0.0	0.0	1.30	0.0	0.0	0.0	440.23	0.0	0.0	0.0	0.71	0.0	0.0	0.0		
EURO THREE	0.0	0.0	0.35	0.0	0.0	0.0	324.77	0.0	0.0	0.0	-0.06	0.0	0.0	0.0		
OTHER W EUROPE	0.0	0.0	1.05	0.0	0.0	0.0	282.45	0.0	0.0	0.0	0.43	0.0	0.0	0.0		
JAPAN	0.0	0.0	4.90	0.0	0.0	0.0	78.62	0.0	0.0	0.0	3.79	0.0	0.0	0.0		
AUST-N ZEALAND	0.0	0.0	1.34	0.0	0.0	0.0	841.92	0.0	0.0	0.0	-0.42	0.0	0.0	0.0		
- - - - - PERCENT PER ANNUM - - - - -																
BUTTER																
UNITED STATES	0.0	0.0	2.00	0.0	2.21	2.21	3.04	0.0	3.04	3.04	1.26	0.0	1.48	1.48		
CANADA	0.0	0.0	1.84	0.0	0.52	0.52	7.47	0.0	6.14	6.14	0.40	0.0	-0.90	-0.90		
EURO SIX	0.0	0.0	1.07	0.0	0.88	0.88	7.40	0.0	6.66	6.66	0.49	0.0	0.30	0.30		
EURO THREE	0.0	0.0	-0.41	0.0	-4.06	-4.06	3.82	0.0	4.49	4.49	-0.81	0.0	-4.45	-4.45		
OTHER W EUROPE	0.0	0.0	-4.73	0.0	2.54	2.54	1.38	0.0	3.95	3.95	-5.31	0.0	1.91	1.91		
JAPAN	0.0	0.0	-1.76	0.0	6.52	6.52	0.28	0.0	0.96	0.96	-2.80	0.0	5.39	5.39		
AUST-N ZEALAND	0.0	0.0	1.40	0.0	1.46	1.46	27.57	0.0	10.86	10.86	-0.36	0.0	-0.30	-0.30		
- - - - - PERCENT PER ANNUM - - - - -																
CHEESE																
UNITED STATES	0.0	0.0	2.86	0.0	2.55	2.55	6.64	0.0	6.79	6.79	2.12	0.0	1.81	1.81		
CANADA	0.0	0.0	2.81	0.0	3.57	3.57	5.88	0.0	7.22	7.22	1.36	0.0	2.11	2.11		
EURO SIX	0.0	0.0	2.13	0.0	2.12	2.12	12.43	0.0	12.23	12.23	1.54	0.0	1.53	1.53		
EURO THREE	0.0	0.0	0.37	0.0	-2.86	-2.86	4.41	0.0	3.43	3.43	-0.04	0.0	-3.26	-3.26		
OTHER W EUROPE	0.0	0.0	2.71	0.0	3.72	3.72	7.19	0.0	7.12	7.12	2.08	0.0	3.09	3.09		
JAPAN	0.0	0.0	7.89	0.0	8.68	8.68	0.25	0.0	1.22	1.22	6.74	0.0	7.52	7.52		
AUST-N ZEALAND	0.0	0.0	0.69	0.0	3.83	3.83	9.90	0.0	5.29	5.29	-1.06	0.0	2.03	2.03		

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
- - - - PERCENT PER ANNUM - - - -														
TOTAL MEAT														
UNITED STATES	0.0	0.0	1.60	0.0	1.56	1.56	117.87	0.0	120.94	120.94	0.87	0.0	0.83	0.83
CANADA	0.0	0.0	3.14	0.0	2.90	2.90	116.63	0.0	113.59	113.59	1.68	0.0	1.44	1.44
EURO SIX	0.0	0.0	2.62	0.0	2.54	2.54	83.34	0.0	85.03	85.03	2.03	0.0	1.95	1.95
EURO THREE	0.0	0.0	2.13	0.0	1.38	1.38	84.02	0.0	84.31	84.31	1.72	0.0	0.96	0.96
OTHER W EUROPE	0.0	0.0	2.97	0.0	3.13	3.13	57.96	0.0	64.11	64.11	2.34	0.0	2.50	2.50
JAPAN	0.0	0.0	6.99	0.0	7.23	7.23	39.64	0.0	37.58	37.58	5.85	0.0	6.10	6.10
AUST-N ZEALAND	0.0	0.0	2.72	0.0	1.45	1.45	230.24	0.0	100.60	100.60	0.93	0.0	-0.32	-0.32
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.62	0.0	4.96	4.96	18.65	0.0	17.07	17.07	1.47	0.0	1.80	1.80
BRAZIL	0.0	0.0	3.63	0.0	4.33	4.33	28.93	0.0	30.33	30.33	0.76	0.0	1.45	1.45
ARGENTINA	0.0	0.0	1.80	0.0	1.64	1.64	130.13	0.0	96.99	96.99	0.52	0.0	0.37	0.37
- - - - PERCENT PER ANNUM - - - -														
BEEF AND VEAL														
UNITED STATES	0.0	0.0	1.72	0.0	1.60	1.60	56.94	0.0	59.93	59.93	0.99	0.0	0.86	0.86
CANADA	0.0	0.0	3.61	0.0	3.11	3.11	57.55	0.0	55.43	55.43	2.14	0.0	1.65	1.65
EURO SIX	0.0	0.0	2.10	0.0	2.44	2.44	29.39	0.0	33.81	33.81	1.51	0.0	1.85	1.85
EURO THREE	0.0	0.0	3.13	0.0	0.72	0.72	31.41	0.0	25.15	25.15	2.70	0.0	0.31	0.31
OTHER W EUROPE	0.0	0.0	2.99	0.0	3.25	3.25	18.35	0.0	22.48	22.48	2.36	0.0	2.62	2.62
JAPAN	0.0	0.0	7.21	0.0	9.49	9.49	5.82	0.0	9.33	9.33	6.07	0.0	8.33	8.33
AUST-N ZEALAND	0.0	0.0	3.27	0.0	2.87	2.87	112.54	0.0	50.19	50.19	1.47	0.0	1.09	1.09
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.93	0.0	5.02	5.02	13.92	0.0	11.58	11.58	1.77	0.0	1.86	1.86
BRAZIL	0.0	0.0	3.57	0.0	4.51	4.51	21.49	0.0	22.90	22.90	0.70	0.0	1.61	1.61
ARGENTINA	0.0	0.0	1.89	0.0	1.61	1.61	113.56	0.0	81.23	81.23	0.61	0.0	0.34	0.34

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	- - - - PERCENT PER ANNUM - - - -				- - - - KILOGRAMS - - - -				- - PERCENT PER ANNUM - -					
	PORK													
UNITED STATES	0.0	0.0	0.64	0.0	0.81	0.81	30.02	0.0	31.28	31.28	-0.08	0.0	0.09	0.09
CANADA	0.0	0.0	1.85	0.0	1.80	1.80	30.38	0.0	29.53	29.53	0.41	0.0	0.36	0.36
EURO SIX	0.0	0.0	2.37	0.0	1.95	1.95	35.08	0.0	32.53	32.53	1.78	0.0	1.36	1.36
EURO THREE	0.0	0.0	1.81	0.0	1.73	1.73	35.67	0.0	35.53	35.53	1.39	0.0	1.31	1.31
OTHER W EUROPE	0.0	0.0	2.39	0.0	2.46	2.46	23.66	0.0	23.79	23.79	1.76	0.0	1.84	1.84
JAPAN	0.0	0.0	8.00	0.0	7.99	7.99	16.44	0.0	17.27	17.27	6.85	0.0	6.85	6.85
AUST-N ZEALAND	0.0	0.0	1.46	0.0	1.46	1.46	13.21	0.0	12.90	12.90	-0.31	0.0	-0.31	-0.31
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	3.79	0.0	4.82	4.82	4.74	0.0	5.49	5.49	0.67	0.0	1.67	1.67
BRAZIL	0.0	0.0	3.83	0.0	3.83	3.83	7.44	0.0	7.43	7.43	0.95	0.0	0.95	0.95
ARGENTINA	0.0	0.0	1.98	0.0	1.98	1.98	10.16	0.0	9.88	9.88	0.70	0.0	0.70	0.70
	LAMB AND MUTTON													
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	-0.07	0.0	0.84	0.84	0.94	0.0	1.28	1.28	-0.65	0.0	0.26	0.26
EURO THREE	0.0	0.0	-0.31	0.0	0.39	0.39	3.78	0.0	9.56	9.56	-0.72	0.0	-0.02	-0.02
OTHER W EUROPE	0.0	0.0	0.28	0.0	0.87	0.87	3.17	0.0	4.05	4.05	-0.34	0.0	0.25	0.25
JAPAN	0.0	0.0	0.0	0.0	3.84	3.84	0.0	0.0	2.37	2.37	0.0	0.0	2.73	2.73
AUST-N ZEALAND	0.0	0.0	2.15	0.0	1.43	1.43	91.04	0.0	37.51	37.51	0.38	0.0	-0.33	-0.33
ARGENTINA	0.0	0.0	0.14	0.0	1.51	1.51	6.41	0.0	5.88	5.88	-1.11	0.0	0.24	0.24
	POULTRY													
UNITED STATES	0.0	0.0	2.81	0.0	2.81	2.81	30.90	0.0	29.73	29.73	2.07	0.0	2.07	2.07
CANADA	0.0	0.0	3.77	0.0	3.77	3.77	28.70	0.0	28.63	28.63	2.30	0.0	2.30	2.30
EURO SIX	0.0	0.0	4.43	0.0	4.24	4.24	17.93	0.0	17.42	17.42	3.83	0.0	3.64	3.64
EURO THREE	0.0	0.0	1.73	0.0	2.60	2.60	13.16	0.0	14.06	14.06	1.31	0.0	2.18	2.18
OTHER W EUROPE	0.0	0.0	5.24	0.0	5.24	5.24	12.79	0.0	13.79	13.79	4.60	0.0	4.60	4.60
JAPAN	0.0	0.0	5.26	0.0	5.26	5.26	8.37	0.0	8.62	8.62	4.14	0.0	4.14	4.14
AUST-N ZEALAND	0.0	0.0	3.81	0.0	0.0	0.0	13.45	0.0	0.0	0.0	2.00	0.0	0.0	0.0

1985 ALTERNATIVE I: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	6.59122	0.78110
CANADA	7.40126	0.50931
EURO SIX	4.11594	1.01553
EURO THREE	4.24712	1.19445
OTHER W EUROPE	5.46525	0.99782
JAPAN	6.56303	1.92163
AUST-N ZEALAND	1.02960	0.0
MIDDLE AMERICA	2.30669	0.68172
BRAZIL	4.44957	0.56631
ARGENTINA	1.66523	0.0
DEV-ED REGION	5.37150	0.90269
LESS DEV-ED RG	4.83373	1.00830
WORLD TOTAL	5.29917	0.91689

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

1985 ALTERNATIVE II: TOTAL GRAIN

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-- PERCENT PER ANNUM -- -- --																
-- KILOGRAMS -- -- --																
-- PERCENT PER ANNUM -- -- --																
UNITED STATES	2.07	1.29	3.38	2.42	0.40	2.08	1504.89	857.93	149.96	1007.89	2.63	1.69	-0.32	1.34		
CANADA	1.05	2.20	3.27	3.04	0.41	2.51	2077.36	921.12	189.65	1110.76	1.81	1.58	-1.01	1.06		
EURO SIX	-0.45	2.28	1.82	2.96	0.59	2.07	456.90	352.10	174.28	526.38	1.23	2.37	0.01	1.49		
EURO THREE	0.73	0.95	1.69	1.55	-0.29	0.96	415.90	379.40	157.84	537.24	1.27	1.14	-0.70	0.54		
OTHER W EUROPE	0.04	2.31	2.35	2.71	0.71	1.98	447.73	334.91	164.28	499.19	1.73	2.08	0.09	1.35		
SOUTH AFRICA	1.14	1.52	2.67	3.41	2.89	3.06	457.89	113.91	229.83	343.74	-0.28	0.43	-0.07	0.09		
JAPAN	-1.69	0.79	-0.92	7.39	0.82	3.69	90.12	220.17	171.69	391.86	-1.97	6.25	-0.25	2.59		
AUST-N ZEALAND	2.34	1.24	3.82	4.20	0.78	2.57	1321.83	261.30	182.55	443.85	2.01	2.39	-0.97	0.79		
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
INDONESIA	1.63	1.74	3.40	0.0	5.02	5.02	136.23	0.0	182.94	182.94	0.74	0.0	2.32	2.32		
EAST ASIA HIGH	0.19	0.42	0.60	4.55	2.33	2.65	142.28	54.83	268.00	322.82	-1.32	2.55	0.37	0.69		
EAST ASIA LOW	2.25	2.23	4.53	0.0	3.12	3.47	164.92	8.73	168.22	176.95	1.21	0.0	-0.15	0.18		
THAILAND	2.53	1.35	3.91	0.0	3.80	3.80	319.04	0.0	220.01	220.01	0.60	0.0	0.49	0.49		
OTHER SE ASIA	0.99	2.37	3.38	0.0	2.36	2.70	247.44	10.60	209.77	220.37	1.00	0.0	0.00	0.33		
INDIA	1.16	1.90	3.08	11.28	3.43	3.58	168.24	6.17	183.33	189.51	0.59	8.60	0.94	1.09		
OTHER S. ASIA	1.07	1.96	3.05	0.0	3.95	3.95	138.46	0.0	171.92	171.92	0.03	0.0	0.90	0.90		
N.AF.-M.EST HIGH	0.98	1.98	2.99	5.37	4.95	4.98	151.31	18.05	273.39	291.43	-0.23	2.08	1.67	1.70		
N.AF.-M.EST LOW	0.57	2.13	2.71	2.71	2.98	2.95	244.32	38.91	268.56	307.48	-0.13	-0.14	0.13	0.09		
CENTRAL AFRICA	0.0	0.0	2.02	0.0	2.87	2.87	32.07	0.0	41.79	41.79	-0.72	0.0	0.11	0.11		
EAST AFRICA	1.10	1.35	2.46	13.14	3.49	3.57	111.21	1.98	130.57	132.55	-0.55	9.82	0.45	0.52		
MIDDLE AFRICA	0.92	2.20	3.13	3.93	3.76	3.79	200.58	44.41	192.44	236.86	0.03	0.80	0.64	0.67		
VENEZUELA	0.41	2.18	2.60	5.17	4.39	4.52	73.19	38.30	178.81	217.10	-0.34	2.16	1.40	1.53		
BRAZIL	2.97	1.57	4.59	4.22	4.08	4.15	286.53	140.21	148.17	288.38	1.70	1.34	1.20	1.26		
ARGENTINA	1.74	1.07	2.83	1.78	0.51	1.15	1000.82	230.03	210.03	440.06	1.54	0.51	-0.74	-0.12		
OTHER S AMERICA	1.24	1.44	2.70	3.26	3.87	3.76	110.40	27.92	141.13	169.05	-0.06	0.49	1.08	0.98		

1985 ALTERNATIVE II: COARSE GRAINS

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
-- -- -- PERCENT PER ANNUM -- -- -- -- -- KILOGRAMS -- -- -- -- -- PERCENT PER ANNUM -- --																		
UNITED STATES	1.34	1.77	3.14	2.46	0.43	2.28	1154.17	824.71	70.32	895.03	2.39	1.73	-0.30	1.54				
CANADA	1.11	2.43	3.58	3.08	0.29	2.75	1125.13	791.78	85.48	877.25	2.11	1.62	-1.12	1.29				
EURO SIX	0.75	2.12	2.88	2.96	1.00	2.60	293.41	287.15	55.57	342.72	2.29	2.37	0.41	2.01				
EURO THREE	0.84	1.19	2.04	1.48	-0.24	1.13	335.46	309.80	67.85	377.64	1.62	1.06	-0.65	0.72				
OTHER W EUROPE	0.70	2.39	3.11	2.68	1.04	2.42	318.08	302.74	49.04	351.78	2.48	2.05	0.42	1.80				
SOUTH AFRICA	0.91	1.60	2.53	3.41	2.77	3.02	383.76	113.91	162.20	276.11	-0.43	0.43	-0.19	0.06				
JAPAN	-2.20	0.41	-1.80	7.39	2.16	6.73	4.51	220.17	21.01	241.18	-2.84	6.25	1.08	5.60				
AUST-N ZEALAND	2.92	1.38	4.34	4.26	0.77	3.28	513.25	187.63	55.44	243.07	2.53	2.45	-0.98	1.49				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.36	4.15	4.52	0.0	5.75	5.75	29.92	0.0	31.32	31.32	1.83	0.0	3.03	3.03				
EAST ASIA HIGH	-0.06	0.76	0.69	4.55	2.36	3.57	33.85	54.83	37.39	92.21	-1.23	2.55	0.40	1.59				
EAST ASIA LOW	2.51	2.09	4.65	0.0	3.70	4.85	52.28	8.73	48.47	57.20	1.33	0.0	0.41	1.52				
THAILAND	3.56	1.25	4.85	0.0	6.19	6.19	65.65	0.0	8.55	8.55	1.50	0.0	2.80	2.80				
OTHER SE ASIA	0.0	0.0	9.30	0.0	2.63	17.61	14.31	10.60	1.58	12.18	6.77	0.0	0.26	14.89				
INDIA	0.22	2.16	2.39	11.28	2.55	3.17	42.67	6.17	43.87	50.05	-0.08	8.60	0.08	0.69				
OTHER S. ASIA	0.70	2.52	3.23	0.0	3.68	3.68	5.39	0.0	5.91	5.91	0.20	0.0	0.64	0.64				
N.AF.-WEST HIGH	0.23	1.92	2.15	5.37	4.55	4.75	30.66	18.05	52.72	70.77	-1.04	2.08	1.28	1.48				
N.AF.-WEST LOW	-0.52	2.29	1.76	2.71	3.14	3.00	97.50	38.91	84.39	123.30	-1.06	-0.14	0.28	0.15				
CENTRAL AFRICA	0.0	0.0	1.25	0.0	1.25	1.25	13.04	0.0	13.04	13.04	-1.47	0.0	-1.47	-1.47				
EAST AFRICA	1.08	1.36	2.45	13.14	3.26	3.35	101.34	1.98	111.89	113.87	-0.56	9.82	0.22	0.31				
MIDDLE AMERICA	0.94	2.34	3.31	3.93	3.45	3.56	168.94	43.06	134.54	177.60	0.20	0.80	0.34	0.45				
VENEZUELA	0.54	2.01	2.56	5.17	3.83	4.24	61.28	38.30	78.51	116.81	-0.38	2.16	0.86	1.26				
BRAZIL	2.94	1.72	4.72	4.22	4.57	4.30	201.62	140.21	44.05	184.26	1.82	1.34	1.68	1.42				
ARGENTINA	1.55	0.81	2.37	1.78	0.09	1.47	638.81	230.03	44.70	274.72	1.09	0.51	-1.16	0.21				
OTHER S AMERICA	0.57	1.58	2.16	3.26	3.31	3.29	52.33	27.92	40.43	68.35	-0.59	0.49	0.53	0.51				

1985 ALTERNATIVE II: WHEAT

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION																																
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL																															
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																														
	-- -- -- PERCENT PER ANNUM -- -- --															-- -- -- KILOGRAMS -- -- --															-- -- -- PERCENT PER ANNUM -- -- --														
UNITED STATES	3.44	0.82	4.29	1.52	0.31	0.67	329.06	33.22	72.72	105.94	3.54	0.79	-0.41	-0.06																															
CANADA	0.99	1.91	2.92	2.82	0.48	1.69	952.22	129.34	101.35	230.69	1.47	1.36	-0.94	0.25																															
EURO SIX	-2.14	2.45	0.26	2.96	0.38	1.20	159.95	64.95	115.11	180.06	-0.31	2.37	-0.20	0.61																															
EURO THREE	0.31	0.09	0.40	1.92	-0.31	0.58	80.44	69.60	88.20	157.80	-0.01	1.51	-0.71	0.17																															
OTHER W EUROPE	-0.98	1.74	0.74	2.99	0.58	1.05	122.80	32.16	108.38	140.54	0.13	2.36	-0.04	0.44																															
SOUTH AFRICA	1.72	1.75	3.50	0.0	3.23	3.23	74.13	0.0	64.15	64.15	0.52	0.0	0.26	0.26																															
JAPAN	-3.81	1.19	-2.67	0.0	3.34	3.34	2.99	0.0	67.20	67.20	-3.71	0.0	2.24	2.24																															
AUST-N ZEALAND	2.33	1.13	3.49	4.04	0.76	1.80	790.42	73.67	123.09	196.76	1.69	2.24	-0.99	0.03																															
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																															
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																															
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																															
INDONESIA	0.0	0.0	0.0	0.0	15.81	15.81	0.0	0.0	27.11	27.11	0.0	0.0	12.83	12.83																															
EAST ASIA HIGH	1.81	0.65	2.47	0.0	5.09	5.09	7.32	0.0	99.55	99.55	0.51	0.0	3.08	3.08																															
EAST ASIA LOW	0.0	0.0	0.0	0.0	3.65	3.65	0.0	0.0	20.72	20.72	0.0	0.0	0.36	0.36																															
THAILAND	0.0	0.0	0.0	0.0	4.99	4.99	0.0	0.0	2.37	2.37	0.0	0.0	1.64	1.64																															
OTHER SE ASIA	0.0	0.0	0.0	0.0	3.20	3.20	0.0	0.0	5.87	5.87	0.0	0.0	0.82	0.82																															
INDIA	2.57	1.84	4.46	0.0	5.28	5.28	49.18	0.0	59.80	59.80	1.94	0.0	2.75	2.75																															
OTHER S. ASIA	0.97	2.69	3.68	0.0	5.51	5.51	44.73	0.0	72.60	72.60	0.64	0.0	2.42	2.42																															
N.AF.-M.EST HIGH	1.16	1.97	3.16	0.0	5.03	5.03	105.15	0.0	192.30	192.30	-0.97	0.0	1.75	1.75																															
N.AF.-M.EST LOW	1.24	2.20	3.46	0.0	2.92	2.92	129.70	0.0	171.41	171.41	0.60	0.0	0.07	0.07																															
CENTRAL AFRICA	0.0	0.0	1.30	0.0	7.48	7.48	2.84	0.0	9.87	9.87	-1.42	0.0	4.60	4.60																															
EAST AFRICA	1.39	1.18	2.98	0.0	5.70	5.70	6.45	0.0	14.42	14.42	-0.43	0.0	2.59	2.59																															
MIDDLE AMERICA	0.28	2.06	2.35	3.92	4.65	4.62	23.85	1.36	45.25	46.61	-0.73	0.79	1.50	1.48																															
VENEZUELA	0.0	0.0	0.0	0.0	5.01	5.01	0.0	0.0	88.19	88.19	0.0	0.0	2.00	2.00																															
BRAZIL	1.92	1.95	3.91	0.0	3.70	3.70	21.75	0.0	45.21	45.21	1.03	0.0	0.83	0.83																															
ARGENTINA	1.99	1.67	3.69	0.0	0.62	0.62	346.92	0.0	158.81	158.81	2.40	0.0	-0.64	-0.64																															
OTHER S AMERICA	0.62	1.25	1.88	0.0	4.07	4.07	27.73	0.0	75.21	75.21	-0.86	0.0	1.28	1.28																															

1985 ALTERNATIVE II: RICE

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
-- -- -- -- PERCENT PER ANNUM -- -- -- -- KILOGRAMS -- -- -- -- PERCENT PER ANNUM -- --														
UNITED STATES	2.33	1.32	3.68	0.0	1.23	1.23	21.66	0.0	6.91	6.91	2.93	0.0	0.50	0.50
CANADA	0.0	0.0	0.0	0.0	1.36	1.36	0.0	0.0	2.82	2.82	0.0	0.0	-0.08	-0.08
EURO SIX	0.32	0.30	0.62	0.0	1.35	1.35	3.53	0.0	3.60	3.60	0.04	0.0	0.77	0.77
EURO THREE	0.0	0.0	0.0	0.0	-1.20	-1.20	0.0	0.0	1.79	1.79	0.0	0.0	-1.60	-1.60
OTHER W EUROPE	0.83	1.27	2.12	0.0	0.47	0.47	6.85	0.0	6.86	6.86	1.49	0.0	-0.14	-0.14
OTHER AFRICA	0.0	0.0	0.0	0.0	2.71	2.71	0.0	0.0	3.48	3.48	0.0	0.0	-0.25	-0.25
JAPAN	-1.51	0.73	-0.79	0.0	-0.90	-0.90	82.62	0.0	83.48	83.48	-1.85	0.0	-1.95	-1.95
AUST-N ZEALAND	4.22	0.13	4.35	0.0	1.84	1.84	18.16	0.0	4.02	4.02	2.54	0.0	0.07	0.07
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	2.02	1.07	3.12	0.0	3.79	3.79	106.31	0.0	124.51	124.51	0.46	0.0	1.12	1.12
EAST ASIA HIGH	0.17	0.29	0.46	0.0	0.81	0.81	101.11	0.0	131.07	131.07	-1.46	0.0	-1.12	-1.12
EAST ASIA LOW	2.08	2.35	4.47	0.0	2.75	2.75	112.64	0.0	99.03	99.03	1.16	0.0	-0.51	-0.51
THAILAND	2.41	1.25	3.69	0.0	3.71	3.71	253.39	0.0	209.10	209.10	0.38	0.0	0.40	0.40
OTHER SE ASIA	1.05	2.08	3.15	0.0	2.34	2.34	233.13	0.0	202.32	202.32	0.77	0.0	-0.02	-0.02
INDIA	1.47	1.21	2.69	0.0	2.78	2.78	76.39	0.0	79.66	79.66	0.22	0.0	0.30	0.30
OTHER S. ASIA	1.16	1.56	2.74	0.0	2.96	2.96	88.34	0.0	93.40	93.40	-0.27	0.0	-0.06	-0.06
N.AF.-M.EST HIGH	2.24	1.36	3.63	0.0	5.23	5.23	15.49	0.0	28.37	28.37	0.40	0.0	1.94	1.94
N.AF.-M.EST LOW	2.37	0.83	3.22	0.0	2.83	2.83	17.12	0.0	12.77	12.77	0.36	0.0	-0.02	-0.02
CENTRAL AFRICA	0.0	0.0	2.86	0.0	2.43	2.43	16.19	0.0	18.88	18.88	0.10	0.0	-0.32	-0.32
EAST AFRICA	1.32	1.13	2.46	0.0	3.33	3.33	3.42	0.0	4.26	4.26	-0.55	0.0	0.29	0.29
MIDDLE AMERICA	1.20	0.82	2.03	0.0	4.19	4.19	7.79	0.0	12.65	12.65	-1.04	0.0	1.05	1.05
VENEZUELA	-0.27	3.09	2.81	0.0	3.88	3.88	11.91	0.0	12.11	12.11	-0.13	0.0	0.91	0.91
BRAZIL	3.39	1.02	4.44	0.0	4.02	4.02	63.16	0.0	58.91	58.91	1.55	0.0	1.14	1.14
ARGENTINA	3.34	0.99	4.37	0.0	1.08	1.08	15.10	0.0	6.53	6.53	3.06	0.0	-0.18	-0.18
OTHER S AMERICA	4.24	0.51	4.77	0.0	4.19	4.19	30.34	0.0	25.49	25.49	1.96	0.0	1.40	1.40

1985 ALTERNATIVE II: OILMEAL

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNITED STATES	3.70	-0.01	3.68	2.09	0.0	2.09	191.27	85.06	0.0	85.06	2.94	1.36	0.0	1.36
CANADA	2.76	1.51	4.31	5.69	0.0	5.69	94.32	76.57	0.0	76.57	2.83	4.19	0.0	4.19
EURO SIX	0.0	0.0	1.62	3.00	0.0	3.00	3.41	80.13	0.0	80.13	1.04	2.41	0.0	2.41
EURO THREE	0.0	0.0	1.67	5.22	0.0	5.22	10.35	96.40	0.0	96.40	1.25	4.79	0.0	4.79
OTHER W EUROPE	1.70	-0.80	0.89	3.59	0.0	3.59	13.59	55.74	0.0	55.74	0.27	2.96	0.0	2.96
SOUTH AFRICA	0.0	0.0	2.09	3.41	0.0	3.41	28.27	21.29	0.0	21.29	-0.85	0.43	0.0	0.43
JAPAN	0.0	0.0	1.51	7.14	-0.79	6.24	10.00	71.74	4.72	76.46	0.43	6.00	-1.85	5.11
AUST-N ZEALAND	5.96	1.58	7.63	0.0	1.66	1.66	9.07	0.0	9.76	9.76	5.76	0.0	-0.11	-0.11
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	1.95	0.53	2.48	0.0	3.89	3.89	4.10	0.0	1.88	1.88	-0.15	0.0	1.22	1.22
EAST ASIA HIGH	0.83	0.79	1.63	3.79	0.0	3.79	2.81	20.53	0.0	20.53	-0.31	1.81	0.0	1.81
EAST ASIA LOW	0.0	0.0	-3.23	0.0	0.0	0.0	6.70	0.0	0.0	0.0	-6.30	0.0	0.0	0.0
INDIA	2.31	0.64	2.97	2.38	0.0	2.38	6.58	4.79	0.0	4.79	0.49	-0.09	0.0	-0.09
N.AF.-M.EST HIGH	0.0	0.0	0.0	3.98	0.0	3.98	0.0	5.97	0.0	5.97	0.0	0.73	0.0	0.73
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	1.35	0.27	1.63	3.87	0.0	3.87	8.08	13.04	0.0	13.04	-1.43	0.74	0.0	0.74
BRAZIL	17.69	-1.87	15.48	8.56	0.0	8.56	109.12	16.58	0.0	16.58	12.28	5.55	0.0	5.55
ARGENTINA	2.40	0.62	3.03	0.0	0.37	0.37	55.60	0.0	8.80	8.80	1.75	0.0	-0.89	-0.89
OTHER S AMERICA	1.34	-0.26	1.08	2.78	0.0	2.78	46.41	5.54	0.0	5.54	-1.64	0.02	0.0	0.02

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL		
	- - - - PERCENT PER ANNUM - - - -						- - - - - KILOGRAMS - - - - -						- - PERCENT PER ANNUM - -			
MILK PRODUCTS																
FLUID MILK																
UNITED STATES	0.0	0.0	0.64	0.0	0.0	0.0	256.08	0.0	0.0	0.0	0.0	-0.09	0.0	0.0	0.0	
CANADA	0.0	0.0	1.20	0.0	0.0	0.0	380.43	0.0	0.0	0.0	0.0	-0.23	0.0	0.0	0.0	
EURO SIX	0.0	0.0	0.94	0.0	0.0	0.0	417.41	0.0	0.0	0.0	0.0	0.36	0.0	0.0	0.0	
EURO THREE	0.0	0.0	0.26	0.0	0.0	0.0	320.64	0.0	0.0	0.0	0.0	-0.15	0.0	0.0	0.0	
OTHER W EUROPE	0.0	0.0	1.59	0.0	0.0	0.0	306.17	0.0	0.0	0.0	0.0	0.97	0.0	0.0	0.0	
JAPAN	0.0	0.0	5.25	0.0	0.0	0.0	82.67	0.0	0.0	0.0	0.0	4.13	0.0	0.0	0.0	
AUST-N ZEALAND	0.0	0.0	2.54	0.0	0.0	0.0	1004.36	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	
BUTTER																
UNITED STATES	0.0	0.0	0.0	0.0	0.34	0.34	0.0	0.0	154.70	154.70	0.0	0.0	-0.38	-0.38	-0.38	
CANADA	0.0	0.0	0.0	0.0	1.04	1.04	0.0	0.0	166.49	166.49	0.0	0.0	-0.39	-0.39	-0.39	
EURO SIX	0.0	0.0	0.0	0.0	1.29	1.29	0.0	0.0	186.35	186.35	0.0	0.0	0.71	0.71	0.71	
EURO THREE	0.0	0.0	0.0	0.0	0.77	0.77	0.0	0.0	207.06	207.06	0.0	0.0	0.36	0.36	0.36	
OTHER W EUROPE	0.0	0.0	0.0	0.0	2.04	2.04	0.0	0.0	195.28	195.28	0.0	0.0	1.42	1.42	1.42	
JAPAN	0.0	0.0	0.0	0.0	7.02	7.02	0.0	0.0	78.14	78.14	0.0	0.0	5.88	5.88	5.88	
AUST-N ZEALAND	0.0	0.0	0.0	0.0	1.42	1.42	0.0	0.0	199.17	199.17	0.0	0.0	-0.35	-0.35	-0.35	
CHEESE																
UNITED STATES	0.0	0.0	0.06	0.0	0.28	0.28	2.28	0.0	2.28	2.28	-0.66	0.0	-0.45	-0.45	-0.45	
CANADA	0.0	0.0	0.78	0.0	-1.01	-1.01	6.39	0.0	4.88	4.88	-0.64	0.0	-2.41	-2.41	-2.41	
EURO SIX	0.0	0.0	-0.54	0.0	1.09	1.09	5.82	0.0	6.87	6.87	-1.11	0.0	0.51	0.51	0.51	
EURO THREE	0.0	0.0	-1.30	0.0	-3.70	-3.70	3.34	0.0	4.75	4.75	-1.71	0.0	-4.09	-4.09	-4.09	
OTHER W EUROPE	0.0	0.0	-2.11	0.0	1.68	1.68	2.07	0.0	3.48	3.48	-2.71	0.0	1.05	1.05	1.05	
JAPAN	0.0	0.0	-10.96	0.0	6.85	6.85	0.06	0.0	1.00	1.00	-11.91	0.0	5.71	5.71	5.71	
AUST-N ZEALAND	0.0	0.0	3.41	0.0	-0.23	-0.23	36.99	0.0	8.43	8.43	1.61	0.0	-1.97	-1.97	-1.97	
MILK PRODUCTS																
UNITED STATES	0.0	0.0	2.04	0.0	2.59	2.59	5.89	0.0	6.83	6.83	1.31	0.0	1.85	1.85	1.85	
CANADA	0.0	0.0	2.76	0.0	3.70	3.70	5.83	0.0	7.35	7.35	1.31	0.0	2.23	2.23	2.23	
EURO SIX	0.0	0.0	2.82	0.0	2.47	2.47	13.75	0.0	12.87	12.87	2.22	0.0	1.87	1.87	1.87	
EURO THREE	0.0	0.0	0.94	0.0	-2.59	-2.59	4.80	0.0	3.57	3.57	0.53	0.0	-2.99	-2.99	-2.99	
OTHER W EUROPE	0.0	0.0	3.60	0.0	3.79	3.79	8.18	0.0	7.19	7.19	2.97	0.0	3.15	3.15	3.15	
JAPAN	0.0	0.0	9.25	0.0	9.46	9.46	0.30	0.0	1.36	1.36	8.09	0.0	6.30	6.30	6.30	
AUST-N ZEALAND	0.0	0.0	-1.03	0.0	3.70	3.70	7.65	0.0	5.19	5.19	-2.75	0.0	1.89	1.89	1.89	

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION																													
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL																												
	-	-	-	-	-	-	-	-	-	-	-	-	-	-																												
	- - - - - PERCENT PER ANNUM - - - - -														- - - - - KILOGRAMS - - - - -														- - - - - PERCENT PER ANNUM - - - - -													
	TOTAL MEAT																																									
UNITED STATES	0.0	0.0	1.85	0.0	1.40	1.40	122.29	0.0	118.19	118.19	1.12	0.0	0.67	0.67																												
CANADA	0.0	0.0	3.22	0.0	2.98	2.98	117.97	0.0	115.01	115.01	1.76	0.0	1.52	1.52																												
EURO SIX	0.0	0.0	2.60	0.0	2.90	2.90	83.04	0.0	89.67	89.67	2.01	0.0	2.31	2.31																												
EURO THREE	0.0	0.0	2.21	0.0	1.62	1.62	84.93	0.0	87.35	87.35	1.79	0.0	1.20	1.20																												
OTHER W EUROPE	0.0	0.0	3.01	0.0	3.66	3.66	58.27	0.0	69.27	69.27	2.38	0.0	3.03	3.03																												
JAPAN	0.0	0.0	8.12	0.0	9.02	9.02	35.90	0.0	48.15	48.15	6.98	0.0	7.86	7.86																												
AUST-N ZEALAND	0.0	0.0	2.98	0.0	1.38	1.38	239.31	0.0	99.64	99.64	1.19	0.0	-0.38	-0.38																												
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																												
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																												
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																												
MIDDLE AMERICA	0.0	0.0	4.82	0.0	5.71	5.71	19.20	0.0	19.00	19.00	1.67	0.0	2.53	2.53																												
BRAZIL	0.0	0.0	4.10	0.0	4.63	4.63	30.96	0.0	31.62	31.62	1.22	0.0	1.73	1.73																												
ARGENTINA	0.0	0.0	2.43	0.0	1.44	1.44	142.75	0.0	94.17	94.17	1.15	0.0	0.17	0.17																												
BEEF AND VEAL																																										
UNITED STATES	0.0	0.0	1.92	0.0	1.52	1.52	58.60	0.0	59.24	59.24	1.18	0.0	0.79	0.79																												
CANADA	0.0	0.0	3.75	0.0	3.39	3.39	58.76	0.0	57.70	57.70	2.28	0.0	1.92	1.92																												
EURO SIX	0.0	0.0	1.98	0.0	2.95	2.95	28.89	0.0	36.39	36.39	1.39	0.0	2.35	2.35																												
EURO THREE	0.0	0.0	3.05	0.0	1.16	1.16	31.05	0.0	26.85	26.85	2.63	0.0	0.75	0.75																												
OTHER W EUROPE	0.0	0.0	3.14	0.0	3.96	3.96	18.74	0.0	24.90	24.90	2.51	0.0	3.33	3.33																												
JAPAN	0.0	0.0	9.11	0.0	11.90	11.90	7.58	0.0	12.93	12.93	7.95	0.0	10.71	10.71																												
AUST-N ZEALAND	0.0	0.0	3.71	0.0	2.60	2.60	120.00	0.0	48.22	48.22	1.91	0.0	0.82	0.82																												
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																												
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																												
MIDDLE AMERICA	0.0	0.0	5.20	0.0	5.80	5.80	14.45	0.0	12.92	12.92	2.03	0.0	2.61	2.61																												
BRAZIL	0.0	0.0	4.17	0.0	4.87	4.87	23.43	0.0	24.11	24.11	1.28	0.0	1.96	1.96																												
ARGENTINA	0.0	0.0	2.61	0.0	1.36	1.36	126.19	0.0	78.34	78.34	1.32	0.0	0.10	0.10																												

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
- - - - PERCENT PER ANNUM - - - -												
- - - - KILOGRAMS - - - -												
- - PERCENT PER ANNUM - -												
PORK												
UNITED STATES	0.0	0.0	1.04	0.0	0.15	0.0	0.15	0.15	31.83	0.0	28.31	28.31
CANADA	0.0	0.0	1.80	0.0	1.52	0.0	1.52	1.52	30.16	0.0	28.32	28.32
EURO SIX	0.0	0.0	2.35	0.0	2.26	0.0	2.26	2.26	34.95	0.0	34.05	34.05
EURO THREE	0.0	0.0	1.90	0.0	1.99	0.0	1.99	1.99	36.19	0.0	36.94	36.94
OTHER W EUROPE	0.0	0.0	2.18	0.0	3.10	0.0	3.10	3.10	22.95	0.0	22.63	22.63
JAPAN	0.0	0.0	8.90	0.0	9.96	0.0	9.96	9.96	18.64	0.0	18.64	18.64
AUST-N ZEALAND	0.0	0.0	1.44	0.0	1.44	0.0	1.44	1.44	13.18	0.0	12.87	12.87
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	3.81	0.0	5.53	0.0	5.53	5.53	4.75	0.0	6.08	6.08
BRAZIL	0.0	0.0	3.91	0.0	3.91	0.0	3.91	3.91	7.53	0.0	7.52	7.52
ARGENTINA	0.0	0.0	1.92	0.0	1.92	0.0	1.92	1.92	10.08	0.0	9.80	9.80
POULTRY												
UNITED STATES	0.0	0.0	3.01	0.0	3.01	0.0	3.01	3.01	31.85	0.0	30.64	30.64
CANADA	0.0	0.0	3.86	0.0	3.86	0.0	3.86	3.86	29.06	0.0	28.99	28.99
EURO SIX	0.0	0.0	4.55	0.0	4.45	0.0	4.45	4.45	18.25	0.0	17.96	17.96
EURO THREE	0.0	0.0	2.06	0.0	2.59	0.0	2.59	2.59	13.82	0.0	14.05	14.05
OTHER W EUROPE	0.0	0.0	5.47	0.0	5.47	0.0	5.47	5.47	13.20	0.0	14.24	14.24
JAPAN	0.0	0.0	6.29	0.0	6.29	0.0	6.29	6.29	9.69	0.0	9.97	9.97
AUST-N ZEALAND	0.0	0.0	4.22	0.0	0.0	0.0	0.0	0.0	14.26	0.0	0.0	0.0
LAMB AND MUTTON												
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	0.05	0.0	0.80	0.0	0.80	0.80	0.96	0.0	1.27	1.27
EURO THREE	0.0	0.0	-0.14	0.0	0.35	0.0	0.35	0.35	3.88	0.0	9.51	9.51
OTHER W EUROPE	0.0	0.0	0.72	0.0	0.83	0.0	0.83	0.83	3.38	0.0	4.03	4.03
JAPAN	0.0	0.0	0.0	0.0	4.53	0.0	4.53	4.53	0.0	0.0	2.62	2.62
AUST-N ZEALAND	0.0	0.0	2.22	0.0	1.62	0.0	1.62	1.62	91.86	0.0	38.55	38.55
ARGENTINA	0.0	0.0	0.22	0.0	1.67	0.0	1.67	1.67	6.48	0.0	6.02	6.02

1985 ALTERNATIVE II: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	7.01570	0.69561
CANADA	7.80781	0.64907
EURO SIX	4.24018	0.96490
EURO THREE	4.46697	1.13495
OTHER W EUROPE	5.74729	0.95652
JAPAN	6.13251	1.99826
AUST-N ZEALAND	1.09189	0.0
MIDDLE AMERICA	2.31292	0.67898
BRAZIL	4.52836	0.53544
ARGENTINA	1.61143	0.0
DEV-ED REGION	5.62997	0.86342
LESS DEV-ED RG	4.97422	0.94454
WORLD TOTAL	5.53867	0.87471

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

1985 ALTERNATIVE I-A: TOTAL GRAIN

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
															-- -- -- PERCENT PER ANNUM -- -- --			
UNITED STATES	-0.37	1.84	1.47	1.65	0.70	1.48	1137.54	765.73	156.78	922.52	0.74	0.92	-0.02	0.75				
CANADA	0.02	2.35	2.37	2.54	0.62	2.13	1822.81	855.86	195.67	1051.54	0.92	1.09	-0.80	0.69				
EURO SIX	0.16	2.37	2.53	2.64	0.36	1.78	507.20	335.89	168.41	504.30	1.94	2.05	-0.22	1.20				
EURO THREE	0.91	1.17	2.09	0.85	-0.68	0.34	441.31	341.56	148.90	490.46	1.67	0.43	-1.08	-0.07				
OTHER W EUROPE	0.25	2.46	2.71	2.07	0.53	1.50	472.04	305.13	159.98	465.11	2.09	1.45	-0.09	0.88				
SOUTH AFRICA	0.82	1.37	2.20	3.52	2.94	3.12	427.27	115.75	231.35	347.10	-0.74	0.54	-0.03	0.16				
JAPAN	-1.66	0.80	-0.87	6.48	0.91	3.26	90.85	193.72	174.07	367.79	-1.92	5.35	-0.16	2.16				
AUST-N ZEALAND	1.56	1.29	2.87	3.59	1.08	2.35	1151.44	239.20	190.75	429.94	1.08	1.79	-0.68	0.57				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	1.17	1.73	2.92	0.0	3.43	3.43	127.05	0.0	145.47	145.47	0.27	0.0	0.77	0.77				
EAST ASIA HIGH	0.14	0.35	0.50	3.39	2.13	2.30	140.02	46.39	260.21	306.60	-1.42	1.41	0.18	0.35				
EAST ASIA LOW	1.75	2.21	4.00	0.0	3.20	3.28	152.73	2.04	170.14	172.18	0.70	0.0	-0.08	0.00				
THAILAND	1.87	1.31	3.21	0.0	3.56	3.56	287.94	0.0	212.58	212.58	-0.09	0.0	0.26	0.26				
OTHER SE ASIA	0.71	2.25	2.98	0.0	2.34	2.67	233.34	10.23	209.15	219.38	0.60	0.0	-0.02	0.30				
INDIA	1.12	1.83	2.97	7.90	2.67	2.75	165.64	3.89	164.07	167.95	0.49	5.30	0.20	0.28				
OTHER S. ASIA	1.01	1.95	2.98	0.0	2.97	2.97	136.96	0.0	149.20	149.20	-0.04	0.0	-0.05	-0.05				
N.AF.-M.EST HIGH	0.82	1.95	2.79	4.37	4.14	4.16	147.06	15.65	243.36	259.01	-0.42	1.11	0.89	0.90				
N.AF.-M.EST LOW	0.49	2.06	2.56	2.55	2.70	2.68	238.95	38.02	257.89	295.91	-0.28	-0.29	-0.14	-0.16				
CENTRAL AFRICA	0.0	0.0	1.87	0.0	2.78	2.78	31.40	0.0	41.24	41.24	-0.86	0.0	0.02	0.02				
EAST AFRICA	0.68	1.31	2.00	13.15	3.35	3.43	103.96	1.98	127.87	129.86	-1.00	9.82	0.31	0.38				
MIDDLE AMERICA	0.70	2.17	2.88	3.63	3.42	3.46	193.38	42.51	183.12	225.63	-0.22	0.51	0.31	0.34				
VENEZUELA	0.37	2.12	2.50	3.63	3.41	3.44	72.10	30.70	155.20	185.90	-0.44	0.66	0.45	0.48				
BRAZIL	2.33	1.60	3.97	3.60	3.82	3.72	261.97	128.21	142.84	271.06	1.09	0.73	0.95	0.85				
ARGENTINA	1.17	1.07	2.25	1.23	0.97	1.10	920.25	212.06	224.87	436.92	0.97	-0.03	-0.29	-0.17				
OTHER S AMERICA	1.16	1.40	2.58	2.96	3.10	3.08	108.54	26.73	126.35	153.08	-0.17	0.19	0.33	0.31				

1985 ALTERNATIVE I-A: COARSE GRAINS

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
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UNITED STATES	-0.82	2.24	1.40	1.66	0.68	1.56	894.84	732.46	73.05	805.52	0.67	0.92	-0.04	0.83				
CANADA	0.71	2.41	3.14	2.54	0.52	2.29	1055.75	731.97	88.43	820.39	1.68	1.09	-0.90	0.84				
EURO SIX	1.11	2.26	3.40	2.66	0.75	2.30	316.21	274.72	53.56	328.28	2.80	2.07	0.17	1.71				
EURO THREE	0.91	1.38	2.30	0.81	-0.67	0.51	348.75	280.54	63.55	344.09	1.88	0.39	-1.08	0.10				
OTHER W EUROPE	0.81	2.55	3.38	2.06	0.78	1.86	330.95	276.51	47.18	323.68	2.75	1.44	0.16	1.23				
SOUTH AFRICA	0.71	1.37	2.09	3.52	2.84	3.11	360.04	115.75	163.87	279.61	-0.85	0.54	-0.12	0.14				
JAPAN	-2.18	0.28	-1.92	6.48	2.13	5.90	4.43	193.72	20.92	214.64	-2.96	-5.35	1.05	4.78				
AUST-N ZEALAND	1.52	1.48	3.02	3.59	1.14	2.87	423.90	170.29	58.62	228.91	1.23	1.79	-0.61	1.08				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.21	4.20	4.41	0.0	4.68	4.68	29.48	0.0	26.86	26.86	1.73	0.0	1.98	1.98				
EAST ASIA HIGH	0.05	0.71	0.76	3.39	2.22	2.85	34.19	46.39	36.63	83.02	-1.16	1.41	0.27	0.88				
EAST ASIA LOW	2.27	2.12	4.44	0.0	3.56	3.85	50.74	2.04	47.52	49.56	1.13	0.0	0.28	0.56				
THAILAND	2.99	1.28	4.31	0.0	5.36	5.36	60.73	0.0	7.60	7.60	0.98	0.0	2.00	2.00				
OTHER SE ASIA	0.0	0.0	9.22	0.0	2.48	17.35	14.17	10.23	1.54	11.78	6.70	0.0	0.12	14.64				
INDIA	0.37	2.11	2.49	7.90	2.12	2.46	43.29	3.89	41.23	45.12	0.02	5.30	-0.34	-0.01				
OTHER S. ASIA	0.78	2.48	3.29	0.0	3.21	3.21	5.44	0.0	5.52	5.52	0.26	0.0	0.18	0.18				
N.AF.-WEST HIGH	0.27	1.87	2.15	4.37	3.90	4.01	30.65	15.65	48.02	63.68	-1.04	1.11	0.65	0.76				
N.AF.-WEST LOW	-0.38	2.20	1.81	2.55	2.74	2.68	98.28	38.02	79.58	117.61	-1.01	-0.29	-0.11	-0.17				
CENTRAL AFRICA	0.0	0.0	1.25	0.0	1.25	1.25	13.04	0.0	13.04	13.04	-1.47	0.0	-1.47	-1.47				
EAST AFRICA	0.66	1.32	1.99	13.15	3.14	3.24	94.73	1.98	110.01	112.00	-1.01	9.82	0.11	0.20				
MIDDLE AMERICA	0.75	2.35	3.12	3.63	3.29	3.36	164.32	41.21	131.32	172.53	0.01	0.51	0.18	0.25				
VENEZUELA	0.62	1.94	2.57	3.63	3.21	3.33	61.42	30.70	71.71	102.41	-0.37	0.66	0.25	0.37				
BRAZIL	2.31	1.76	4.11	3.60	4.48	3.81	184.72	128.21	43.45	171.66	1.23	0.73	1.58	0.94				
ARGENTINA	1.34	0.70	2.05	1.23	0.74	1.14	609.38	212.06	49.27	261.33	0.77	-0.03	-0.52	-0.13				
OTHER S AMERICA	0.55	1.57	2.12	2.96	2.93	2.94	52.07	26.73	38.26	64.99	-0.62	0.19	0.17	0.18				

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION					PROJECTED PER CAPITA UTILIZATION					GROWTH RATES OF PER CAPITA UTILIZATION				
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1985 ALTERNATIVE I-A: RICE

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION					PROJECTED PER CAPITA UTILIZATION					GROWTH RATES OF PER CAPITA UTILIZATION				
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	
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UNITED STATES	1.33	1.41	2.75	0.0	1.21	1.21	18.93	0.0	6.89	6.89	2.01	0.0	0.48	0.48	
CANADA	0.0	0.0	0.0	0.0	1.56	1.56	0.0	0.0	2.91	2.91	0.0	0.0	0.12	0.12	
EURO SIX	0.06	0.06	0.12	0.0	1.40	1.40	3.28	0.0	3.63	3.63	-0.46	0.0	0.81	0.81	
EURO THREE	0.0	0.0	0.0	0.0	-0.81	-0.81	0.0	0.0	1.90	1.90	0.0	0.0	-1.22	-1.22	
OTHER W EUROPE	0.45	1.01	1.47	0.0	1.03	1.03	6.23	0.0	7.46	7.46	0.85	0.0	0.41	0.41	
SOUTH AFRICA	0.0	0.0	0.0	0.0	2.87	2.87	0.0	0.0	3.57	3.57	0.0	0.0	-0.09	-0.09	
JAPAN	-1.47	0.77	-0.72	0.0	-0.83	-0.83	83.56	0.0	84.42	84.42	-1.77	0.0	-1.88	-1.88	
AUST-N ZEALAND	4.13	0.05	4.18	0.0	1.92	1.92	17.72	0.0	4.07	4.07	2.37	0.0	0.14	0.14	
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
INDONESIA	1.48	1.03	2.53	0.0	2.62	2.62	97.57	0.0	104.90	104.90	-0.11	0.0	-0.02	-0.02	
EAST ASIA HIGH	0.05	0.24	0.29	0.0	0.62	0.62	98.61	0.0	127.36	127.36	-1.63	0.0	-1.31	-1.31	
EAST ASIA LOW	1.40	2.35	3.78	0.0	2.96	2.96	101.99	0.0	102.09	102.09	0.49	0.0	-0.31	-0.31	
THAILAND	1.73	1.19	2.94	0.0	3.50	3.50	227.21	0.0	202.86	202.86	-0.35	0.0	0.20	0.20	
OTHER SE ASIA	0.77	1.95	2.73	0.0	2.33	2.33	219.16	0.0	202.03	202.03	0.35	0.0	-0.03	-0.03	
INDIA	1.21	1.19	2.41	0.0	2.33	2.33	73.30	0.0	74.51	74.51	-0.06	0.0	-0.14	-0.14	
OTHER S. ASIA	1.09	1.55	2.66	0.0	2.60	2.60	87.23	0.0	88.66	88.66	-0.35	0.0	-0.41	-0.41	
N.AF.-M.EST HIGH	1.69	1.33	3.04	0.0	4.16	4.16	14.21	0.0	24.35	24.35	-0.18	0.0	0.91	0.91	
N.AF.-M.EST LOW	1.85	0.59	2.45	0.0	2.38	2.38	15.31	0.0	11.95	11.95	-0.39	0.0	-0.46	-0.46	
CENTRAL AFRICA	0.0	0.0	2.57	0.0	2.55	2.55	15.52	0.0	19.24	19.24	-0.18	0.0	-0.20	-0.20	
EAST AFRICA	0.77	0.98	1.76	0.0	3.01	3.01	3.09	0.0	4.08	4.08	-1.23	0.0	-0.01	-0.01	
MIDDLE AMERICA	0.88	0.78	1.67	0.0	3.47	3.47	7.39	0.0	11.39	11.39	-1.39	0.0	0.35	0.35	
VENEZUELA	-1.08	3.18	2.07	0.0	3.13	3.13	10.68	0.0	10.85	10.85	-0.85	0.0	0.17	0.17	
BRAZIL	2.51	1.00	3.53	0.0	3.43	3.43	55.43	0.0	54.11	54.11	0.67	0.0	0.57	0.57	
ARGENTINA	2.11	0.62	2.74	0.0	1.05	1.05	11.93	0.0	6.49	6.49	1.46	0.0	-0.21	-0.21	
OTHER S AMERICA	4.11	0.43	4.57	0.0	3.06	3.06	29.47	0.0	21.64	21.64	1.76	0.0	0.30	0.30	

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
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UNITED STATES	3.13	0.72	3.87	2.37	0.0	2.37	196.49	88.60	0.0	88.60	3.12	1.63	0.0	1.63
CANADA	1.36	1.60	2.98	3.34	0.0	3.34	77.87	54.70	0.0	54.70	1.53	1.88	0.0	1.88
EURO SIX	0.0	0.0	1.62	4.12	0.0	4.12	3.41	94.15	0.0	94.15	1.04	3.52	0.0	3.52
EURO THREE	0.0	0.0	1.64	6.47	0.0	6.47	10.31	115.02	0.0	115.02	1.23	6.03	0.0	6.03
OTHER W EUROPE	1.42	-0.75	0.66	4.66	0.0	4.66	13.13	65.00	0.0	65.00	0.04	4.02	0.0	4.02
SOUTH AFRICA	0.0	0.0	1.96	3.52	0.0	3.52	27.71	21.63	0.0	21.63	-0.98	0.54	0.0	0.54
JAPAN	0.0	0.0	1.42	5.27	-0.58	4.54	9.87	55.15	4.87	60.02	0.34	4.16	-1.64	3.43
AUST-N ZEALAND	5.19	1.68	6.95	0.0	1.92	1.92	8.25	0.0	10.15	10.15	5.09	0.0	0.15	0.15
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	1.01	1.04	2.06	0.0	3.02	3.02	3.85	0.0	1.66	1.66	-0.57	0.0	0.37	0.37
EAST ASIA HIGH	0.54	0.81	1.36	2.98	0.0	2.98	2.70	18.24	0.0	18.24	-0.58	1.01	0.0	1.01
EAST ASIA LOW	0.0	0.0	-3.37	0.0	0.0	0.0	6.56	0.0	0.0	0.0	-6.43	0.0	0.0	0.0
INDIA	2.16	0.46	2.63	2.48	0.0	2.48	6.27	4.85	0.0	4.85	0.16	0.01	0.0	0.01
N.AF.-M.EST HIGH	0.0	0.0	0.0	3.39	0.0	3.39	0.0	5.48	0.0	5.48	0.0	0.16	0.0	0.16
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AFRICA	1.40	0.20	1.61	3.60	0.0	3.60	8.06	12.54	0.0	12.54	-1.45	0.48	0.0	0.48
BRAZIL	17.41	-1.83	15.27	8.47	0.0	8.47	106.10	16.37	0.0	16.37	12.07	5.46	0.0	5.46
ARGENTINA	1.49	0.52	2.02	0.0	0.89	0.89	47.92	0.0	9.52	9.52	0.74	0.0	-0.37	-0.37
OTHER S AMERICA	1.00	-0.10	0.90	2.82	0.0	2.82	45.29	5.57	0.0	5.57	-1.81	0.06	0.0	0.06

REGION

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	- - - - PERCENT PER ANNUM - - - -				- - - - KILOGRAMS - - - -				- - PERCENT PER ANNUM - -			

MILK PRODUCTS

UNITED STATES	0.0	0.0	1.31	0.0	0.0	0.0	0.0	283.09	0.0	0.0	0.0	0.0
CANADA	0.0	0.0	1.75	0.0	0.0	0.0	0.0	412.81	0.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	1.09	0.0	0.0	0.0	0.0	426.88	0.0	0.0	0.0	0.0
EURO THREE	0.0	0.0	0.27	0.0	0.0	0.0	0.0	320.87	0.0	0.0	0.0	0.0
OTHER W EUROPE	0.0	0.0	0.83	0.0	0.0	0.0	0.0	273.25	0.0	0.0	0.0	0.0
JAPAN	0.0	0.0	4.96	0.0	0.0	0.0	0.0	79.34	0.0	0.0	0.0	0.0
AUST-N ZEALAND	0.0	0.0	1.44	0.0	0.0	0.0	0.0	854.24	0.0	0.0	0.0	0.0

FLUID MILK

UNITED STATES	0.0	0.0	0.0	0.0	0.41	0.41	0.0	0.0	0.0	0.0	0.0	-0.32
CANADA	0.0	0.0	0.0	0.0	1.11	1.11	0.0	0.0	0.0	0.0	0.0	-0.32
EURO SIX	0.0	0.0	0.0	0.0	1.07	1.07	0.0	0.0	0.0	0.0	0.0	0.49
EURO THREE	0.0	0.0	0.0	0.0	0.62	0.62	0.0	0.0	0.0	0.0	0.0	0.21
OTHER W EUROPE	0.0	0.0	0.0	0.0	1.97	1.97	0.0	0.0	0.0	0.0	0.0	1.35
JAPAN	0.0	0.0	0.0	0.0	6.13	6.13	0.0	0.0	0.0	0.0	0.0	5.01
AUST-N ZEALAND	0.0	0.0	0.0	0.0	1.50	1.50	0.0	0.0	0.0	0.0	0.0	-0.26

BUTTER

UNITED STATES	0.0	0.0	2.20	0.0	2.42	2.42	3.13	0.0	3.13	0.0	1.47	1.68
CANADA	0.0	0.0	2.07	0.0	0.46	0.46	7.73	0.0	6.08	0.0	0.62	-0.96
EURO SIX	0.0	0.0	0.63	0.0	0.60	0.60	6.93	0.0	6.38	0.0	0.05	0.02
EURO THREE	0.0	0.0	-0.57	0.0	-4.94	-4.94	3.73	0.0	3.91	0.0	-0.98	-5.32
OTHER W EUROPE	0.0	0.0	-7.06	0.0	2.48	2.48	0.95	0.0	3.92	0.0	-7.62	1.86
JAPAN	0.0	0.0	-1.06	0.0	6.47	6.47	0.31	0.0	0.95	0.0	-2.11	5.34
AUST-N ZEALAND	0.0	0.0	1.64	0.0	1.39	1.39	28.57	0.0	10.73	0.0	-0.12	-0.38

CHEESE

UNITED STATES	0.0	0.0	2.98	0.0	2.59	2.59	6.76	0.0	5.83	0.0	2.24	1.85
CANADA	0.0	0.0	2.73	0.0	3.61	3.61	5.81	0.0	7.25	0.0	1.27	2.14
EURO SIX	0.0	0.0	2.07	0.0	2.04	2.04	12.33	0.0	12.09	0.0	1.49	1.45
EURO THREE	0.0	0.0	0.30	0.0	-3.15	-3.15	4.36	0.0	3.28	0.0	-0.11	-3.54
OTHER W EUROPE	0.0	0.0	2.65	0.0	3.78	3.78	7.13	0.0	7.18	0.0	2.02	3.15
JAPAN	0.0	0.0	7.89	0.0	8.76	8.76	0.25	0.0	1.23	0.0	6.74	7.60
AUST-N ZEALAND	0.0	0.0	0.14	0.0	3.89	3.89	9.12	0.0	5.34	0.0	-1.60	2.09

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	- - - - - PERCENT PER ANNUM - - - - -													
TOTAL MEAT														
UNITED STATES	0.0	0.0	1.57	0.0	1.62	1.62	117.24	0.0	122.07	122.07	0.84	0.0	0.89	0.89
CANADA	0.0	0.0	3.13	0.0	2.93	2.93	116.46	0.0	114.17	114.17	1.67	0.0	1.47	1.47
EURO SIX	0.0	0.0	2.56	0.0	2.45	2.45	82.55	0.0	83.95	83.95	1.97	0.0	1.86	1.86
EURO THREE	0.0	0.0	2.04	0.0	1.27	1.27	82.84	0.0	82.91	82.91	1.62	0.0	0.85	0.85
OTHER W EUROPE	0.0	0.0	2.89	0.0	3.04	3.04	57.29	0.0	63.27	63.27	2.26	0.0	2.41	2.41
JAPAN	0.0	0.0	6.55	0.0	6.55	6.55	28.82	0.0	34.15	34.15	5.42	0.0	5.42	5.42
AUST-N ZEALAND	0.0	0.0	2.70	0.0	1.43	1.43	229.44	0.0	100.29	100.29	0.91	0.0	-0.34	-0.34
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.60	0.0	4.33	4.33	18.59	0.0	15.59	15.59	1.45	0.0	1.19	1.19
BRAZIL	0.0	0.0	3.57	0.0	4.33	4.33	28.68	0.0	30.30	30.30	0.71	0.0	1.44	1.44
ARGENTINA	0.0	0.0	1.71	0.0	1.52	1.52	128.54	0.0	95.26	95.26	0.44	0.0	0.25	0.25

BEEF AND VEAL

UNITED STATES	0.0	0.0	1.71	0.0	1.62	1.62	56.80	0.0	60.18	60.18	0.97	0.0	0.89	0.89
CANADA	0.0	0.0	3.60	0.0	3.09	3.09	57.54	0.0	55.27	55.27	2.14	0.0	1.63	1.63
EURO SIX	0.0	0.0	2.07	0.0	2.46	2.46	29.27	0.0	33.88	33.88	1.48	0.0	1.87	1.87
EURO THREE	0.0	0.0	3.08	0.0	0.61	0.61	31.19	0.0	24.75	24.75	2.66	0.0	0.20	0.20
OTHER W EUROPE	0.0	0.0	2.93	0.0	3.24	3.24	18.18	0.0	22.43	22.43	2.30	0.0	2.61	2.61
JAPAN	0.0	0.0	6.45	0.0	8.47	8.47	5.24	0.0	8.10	8.10	5.32	0.0	7.32	7.32
AUST-N ZEALAND	0.0	0.0	3.19	0.0	2.98	2.98	111.31	0.0	50.99	50.99	1.40	0.0	1.19	1.19
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.90	0.0	4.35	4.35	13.86	0.0	10.52	10.52	1.75	0.0	1.21	1.21
BRAZIL	0.0	0.0	3.49	0.0	4.50	4.50	21.24	0.0	22.86	22.86	0.62	0.0	1.60	1.60
ARGENTINA	0.0	0.0	1.79	0.0	1.47	1.47	111.92	0.0	79.57	79.57	0.52	0.0	0.20	0.20

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FEED	FEED	FEED	FEED	PROD	FEED	FEED	TOTAL
----- PERCENT PER ANNUM -----												
----- KILOGRAMS -----												
----- PERCENT PER ANNUM -----												
PORK												
UNITED STATES	0.0	0.0	0.53	0.0	0.99	0.99	0.99	0.99	29.52	0.0	32.12	32.12
CANADA	0.0	0.0	1.79	0.0	1.95	1.95	1.95	1.95	30.12	0.0	30.16	30.16
EURO SIX	0.0	0.0	2.27	0.0	1.74	1.74	1.74	1.74	34.55	0.0	31.56	31.56
EURO THREE	0.0	0.0	1.69	0.0	1.51	1.51	1.51	1.51	35.08	0.0	34.40	34.40
OTHER W EUROPE	0.0	0.0	2.31	0.0	2.26	2.26	2.26	2.26	23.38	0.0	23.11	23.11
JAPAN	0.0	0.0	7.43	0.0	7.02	7.02	7.02	7.02	15.20	0.0	15.06	15.06
AUST-N ZEALAND	0.0	0.0	1.48	0.0	1.48	1.48	1.48	1.48	13.26	0.0	12.95	12.95
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	3.78	0.0	4.27	4.27	4.27	4.27	4.73	0.0	5.08	5.08
BRAZIL	0.0	0.0	3.83	0.0	3.83	3.83	3.83	3.83	7.45	0.0	7.43	7.43
ARGENTINA	0.0	0.0	1.99	0.0	1.99	1.99	1.99	1.99	19.18	0.0	9.90	9.90
POULTRY												
UNITED STATES	0.0	0.0	2.81	0.0	2.81	2.81	2.81	2.81	30.93	0.0	29.76	29.76
CANADA	0.0	0.0	3.80	0.0	3.80	3.80	3.80	3.80	28.80	0.0	28.74	28.74
EURO SIX	0.0	0.0	4.38	0.0	4.16	4.16	4.16	4.16	17.80	0.0	17.22	17.22
EURO THREE	0.0	0.0	1.58	0.0	2.56	2.56	2.56	2.56	12.87	0.0	13.98	13.98
OTHER W EUROPE	0.0	0.0	5.16	0.0	5.16	5.16	5.16	5.16	12.63	0.0	13.62	13.62
JAPAN	0.0	0.0	5.28	0.0	5.27	5.27	5.27	5.27	8.39	0.0	8.63	8.63
AUST-N ZEALAND	0.0	0.0	3.81	0.0	0.0	0.0	0.0	0.0	13.45	0.0	0.0	0.0
LAMB AND MUTTON												
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	-0.15	0.0	0.93	0.93	0.93	0.93	0.93	0.0	1.29	1.29
EURO THREE	0.0	0.0	-0.45	0.0	0.54	0.54	0.54	0.54	3.70	0.0	9.77	9.77
OTHER W EUROPE	0.0	0.0	0.15	0.0	0.97	0.97	0.97	0.97	3.11	0.0	4.11	4.11
JAPAN	0.0	0.0	0.0	0.0	3.78	3.78	3.78	3.78	0.0	0.0	2.35	2.35
AUST-N ZEALAND	0.0	0.0	2.18	0.0	1.22	1.22	1.22	1.22	91.42	0.0	36.35	36.35
ARGENTINA	0.0	0.0	0.18	0.0	1.41	1.41	1.41	1.41	6.44	0.0	5.79	5.79

1985 ALTERNATIVE I-A: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	6.53115	0.75573
CANADA	7.34876	0.46970
EURO SIX	4.06881	1.14051
EURO THREE	4.12333	1.38856
OTHER W EUROPE	5.32579	1.13453
JAPAN	6.72205	1.91359
AUST-N ZEALAND	1.04252	0.0
MIDDLE AMERICA	2.28667	0.67459
BRAZIL	4.47010	0.57084
ARGENTINA	1.64970	0.0
DEV-ED REGION	5.31927	0.94599
LESS DEV-ED RG	4.77567	0.99703
WORLD TOTAL	5.24606	0.95286

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

1985 ALTERNATIVE III: TOTAL GRAIN

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	-- PERCENT PER ANNUM --													
	-- KILOGRAMS --													
UNITED STATES	-1.46	2.05	0.56	0.83	0.75	0.81	993.95	677.94	157.84	835.78	-0.16	0.10	0.02	0.09
CANADA	-0.10	2.34	2.24	1.97	0.90	1.74	1787.98	787.53	203.96	991.49	0.79	0.53	-0.53	0.29
EURO SIX	0.93	2.10	3.05	2.25	0.43	1.55	547.26	317.34	170.17	487.52	2.46	1.66	-0.15	0.97
EURO THREE	0.87	1.13	2.01	0.11	-0.54	-0.11	436.42	306.10	151.91	458.01	1.60	-0.30	-0.95	-0.52
OTHER W EUROPE	0.21	2.43	2.64	1.76	0.55	1.30	467.23	291.38	160.39	451.77	2.02	1.14	-0.07	0.68
SOUTH AFRICA	0.81	1.32	2.14	3.39	2.95	3.09	423.45	113.51	231.81	345.32	-0.80	0.41	-0.01	0.12
JAPAN	-1.58	0.93	-0.66	6.41	0.94	3.23	93.77	191.69	174.74	366.43	-1.71	5.28	-0.13	2.13
AUST-N ZEALAND	1.38	1.29	2.68	3.06	1.33	2.18	1121.33	221.50	197.98	419.48	0.90	1.27	-0.43	0.41
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	1.19	1.71	2.93	0.0	3.43	3.43	127.22	0.0	145.51	145.51	0.28	0.0	0.77	0.77
EAST ASIA HIGH	0.17	0.35	0.51	3.48	2.12	2.31	140.33	46.99	260.10	307.10	-1.41	1.50	0.17	0.36
EAST ASIA LOW	1.74	2.21	3.99	0.0	3.20	3.28	152.56	2.09	170.23	172.31	0.69	0.0	-0.07	0.01
THAILAND	1.82	1.31	3.16	0.0	3.56	3.56	285.92	0.0	212.56	212.56	-0.14	0.0	0.26	0.26
OTHER SE ASIA	0.71	2.25	2.98	0.0	2.34	2.67	233.13	10.18	209.15	219.33	0.60	0.0	-0.02	-0.30
INDIA	1.14	1.82	2.98	7.95	2.68	2.76	165.77	3.92	164.27	168.19	0.49	5.35	0.20	0.29
OTHER S. ASIA	1.01	1.95	2.97	0.0	2.97	2.97	135.86	0.0	149.18	149.18	-0.05	0.0	-0.05	-0.05
N.AF.-WEST HIGH	0.80	1.95	2.77	4.41	4.15	4.17	146.62	15.74	243.77	259.51	-0.44	1.15	0.90	0.92
N.AF.-WEST LOW	0.48	2.05	2.54	2.58	2.71	2.70	238.37	38.21	258.29	296.50	-0.30	-0.26	-0.13	-0.15
CENTRAL AFRICA	0.0	0.0	1.97	0.0	2.78	2.78	31.39	0.0	41.25	41.25	-0.86	0.0	0.02	0.02
EAST AFRICA	0.56	1.30	1.87	13.33	3.35	3.44	102.05	2.03	128.00	130.03	-1.12	10.00	0.32	0.39
MIDDLE AMERICA	0.64	2.17	2.83	3.46	3.44	3.44	191.87	41.51	183.60	225.11	-0.27	0.35	0.32	0.33
VENEZUELA	0.36	2.11	2.47	3.69	3.43	3.47	71.88	30.96	155.68	186.63	-0.46	0.72	0.47	0.51
BRAZIL	2.15	1.61	3.80	3.41	3.82	3.63	255.68	124.65	142.83	267.49	0.93	0.54	0.95	0.76
ARGENTINA	0.95	1.08	2.04	0.99	0.98	0.99	892.32	204.54	225.25	429.79	0.77	-0.27	-0.28	-0.28
OTHER S AMERICA	1.15	1.40	2.57	3.05	3.11	3.10	108.30	27.09	126.55	153.64	-0.19	0.28	0.34	0.33

1985 ALTERNATIVE III: COARSE GRAINS

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
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UNITED STATES	-2.21	2.65	0.38	0.84	0.75	0.83	769.00	648.98	73.81	722.79	-0.34	0.11	0.03	0.10				
	0.56	2.41	2.99	1.98	0.85	1.83	1033.22	674.18	92.82	767.00	1.53	0.54	-0.58	0.39				
	1.78	2.03	3.84	2.27	0.68	1.97	337.14	259.58	53.00	312.58	3.24	1.68	0.10	1.38				
	0.86	1.35	2.22	0.07	-0.62	-0.08	344.62	251.38	64.06	315.45	1.80	-0.34	-1.02	-0.48				
	0.77	2.52	3.31	1.75	0.69	1.58	327.46	264.08	46.59	310.67	2.68	1.13	0.08	0.96				
	0.74	1.29	2.04	3.39	2.89	3.09	357.46	113.51	165.20	278.71	-0.90	0.41	-0.07	0.12				
	-2.12	0.24	-1.89	6.41	1.82	5.81	4.45	191.69	19.99	211.67	-2.93	5.28	0.74	4.68				
	1.11	1.51	2.63	3.05	1.41	2.55	400.59	157.52	60.94	218.46	0.85	1.26	-0.36	0.77				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.31	4.14	4.47	0.0	4.72	4.72	29.71	0.0	27.04	27.04	1.78	0.0	2.03	2.03				
	0.10	0.70	0.80	3.48	2.27	2.92	34.39	46.99	36.90	83.89	-1.13	1.50	0.31	0.95				
	2.25	2.12	4.42	0.0	3.60	3.90	50.54	2.09	47.80	49.88	1.10	0.0	0.31	0.60				
	2.93	1.27	4.24	0.0	5.37	5.37	60.10	0.0	7.62	7.62	0.91	0.0	2.01	2.01				
	0.0	0.0	9.20	0.0	2.48	17.31	14.14	10.18	1.54	11.72	6.68	0.0	0.12	14.60				
	0.41	2.09	2.51	7.95	2.15	2.49	43.43	3.92	41.36	45.28	0.04	5.35	-0.32	0.02				
	0.79	2.48	3.29	0.0	3.21	3.21	5.44	0.0	5.53	5.53	0.26	0.0	0.19	0.19				
OTHER S. ASIA	0.27	1.87	2.14	4.41	3.91	4.03	30.59	15.74	48.10	63.84	-1.05	1.15	0.66	0.78				
	-0.38	2.19	1.80	2.58	2.77	2.71	98.14	38.21	79.94	118.15	-1.02	-0.26	-0.08	-0.14				
	0.0	0.0	1.25	0.0	1.25	1.25	13.04	0.0	13.04	13.04	-1.47	0.0	-1.47	-1.47				
	0.54	1.31	1.86	13.33	3.15	3.25	92.91	2.03	110.18	112.21	-1.14	10.00	0.12	0.21				
	0.70	2.35	3.06	3.46	3.31	3.35	163.04	40.24	131.80	172.05	-0.04	0.35	0.20	0.24				
	0.60	1.93	2.54	3.69	3.24	3.37	61.12	30.96	72.03	102.98	-0.40	0.72	0.28	0.41				
	2.11	1.78	3.93	3.41	4.50	3.68	179.85	124.65	43.62	168.27	1.05	0.54	1.61	0.80				
	1.18	0.68	1.86	0.99	0.76	0.94	593.03	204.54	49.39	253.93	0.59	-0.27	-0.50	-0.32				
	0.54	1.56	2.11	3.05	2.98	3.01	52.00	27.09	38.57	65.66	-0.63	0.28	0.22	0.25				

1985 ALTERNATIVE III: WHEAT

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION					PROJECTED PER CAPITA UTILIZATION					GROWTH RATES OF PER CAPITA UTILIZATION				
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	
															-- -- -- PERCENT PER ANNUM -- -- --
UNITED STATES	-0.17	1.26	1.08	0.60	0.72	0.69	206.05	28.96	77.34	106.30	0.36	-0.13	-0.00	-0.04	
CANADA	-0.72	2.08	1.34	1.92	0.93	1.42	754.76	113.35	108.30	221.65	-0.09	0.48	-0.50	-0.02	
EURO SIX	-0.16	2.16	2.00	2.16	0.30	0.87	206.86	57.76	113.65	171.42	1.41	1.57	-0.28	0.28	
EURO THREE	0.90	0.39	1.29	0.30	-0.48	-0.19	91.79	54.72	85.98	140.70	0.88	-0.11	-0.88	-0.59	
OTHER W EUROPE	-0.63	1.96	1.31	1.87	0.47	0.73	133.55	27.30	106.69	133.99	0.69	1.24	-0.14	0.12	
SOUTH AFRICA	0.98	1.70	2.70	0.0	3.11	3.11	65.99	0.0	63.09	63.09	-0.25	0.0	0.15	0.15	
JAPAN	-3.71	0.81	-2.93	0.0	3.36	3.36	2.88	0.0	67.44	67.44	-3.96	0.0	2.26	2.26	
AUST-N ZEALAND	1.50	1.16	2.68	3.07	1.28	1.81	703.03	63.97	133.03	197.01	0.90	1.28	-0.48	0.04	
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
INDONESIA	0.0	0.0	0.0	0.0	10.63	10.63	0.0	0.0	13.66	13.66	0.0	0.0	7.79	7.79	
EAST ASIA HIGH	1.75	0.61	2.37	0.0	4.84	4.84	7.21	0.0	96.09	96.09	0.41	0.0	2.84	2.84	
EAST ASIA LOW	0.0	0.0	0.0	0.0	3.59	3.59	0.0	0.0	20.54	20.54	0.0	0.0	0.30	0.30	
THAILAND	0.0	0.0	0.0	0.0	4.22	4.22	0.0	0.0	2.12	2.12	0.0	0.0	0.90	0.90	
OTHER SE ASIA	0.0	0.0	0.0	0.0	2.85	2.85	0.0	0.0	5.58	5.58	0.0	0.0	0.47	0.47	
INDIA	2.58	1.80	4.43	0.0	3.80	3.80	48.97	0.0	48.36	48.36	1.91	0.0	1.30	1.30	
OTHER S. ASIA	0.90	2.68	3.61	0.0	3.58	3.58	44.23	0.0	55.06	55.06	0.57	0.0	0.54	0.54	
N.AF.-M.EST HIGH	0.93	1.98	2.94	0.0	4.22	4.22	101.83	0.0	171.37	171.37	-0.28	0.0	0.97	0.97	
N.AF.-M.EST LOW	1.03	2.16	3.21	0.0	2.72	2.72	124.95	0.0	166.47	166.47	0.35	0.0	-0.13	-0.13	
CENTRAL AFRICA	0.0	0.0	1.30	0.0	6.80	6.80	2.84	0.0	8.96	8.96	-1.42	0.0	3.93	3.93	
EAST AFRICA	0.98	1.18	2.18	0.0	5.38	5.38	6.08	0.0	13.77	13.77	-0.83	0.0	2.28	2.28	
MIDDLE AFRICA	-0.31	1.96	1.64	3.45	3.86	3.85	21.49	1.27	40.43	41.70	-1.42	0.34	0.74	0.73	
VENEZUELA	0.0	0.0	0.0	0.0	3.68	3.68	0.0	0.0	72.84	72.84	0.0	0.0	0.71	0.71	
BRAZIL	1.97	1.92	3.92	0.0	3.81	3.81	21.81	0.0	45.89	45.89	1.05	0.0	0.93	0.93	
ARGENTINA	0.57	1.83	2.41	0.0	1.05	1.05	287.75	0.0	169.37	169.37	1.13	0.0	-0.21	-0.21	
OTHER S AMERICA	0.42	1.24	1.67	0.0	3.21	3.21	26.88	0.0	66.41	66.41	-1.07	0.0	0.44	0.44	

1985 ALTERNATIVE III: RICE

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
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1985 ALTERNATIVE III: OILMEAL

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
-- -- -- -- PERCENT PER ANNUM -- -- -- --																		
UNITED STATES																		
	1.82	1.12	2.96	1.74	0.0	1.74	172.08	80.79	0.0	80.79	2.21	1.01	0.0	1.01				
CANADA	0.72	1.64	2.37	2.00	0.0	2.00	71.19	44.98	0.0	44.98	0.92	0.56	0.0	0.56				
EURO SIX	0.0	0.0	1.62	3.20	0.0	3.20	3.41	82.46	0.0	82.46	1.04	2.60	0.0	2.60				
EURO THREE	0.0	0.0	1.63	5.17	0.0	5.17	10.29	95.65	0.0	95.65	1.22	4.74	0.0	4.74				
OTHER W EUROPE	1.40	-0.80	0.59	3.85	0.0	3.85	12.99	57.85	0.0	57.85	-0.03	3.22	0.0	3.22				
SOUTH AFRICA	0.0	0.0	1.89	3.39	0.0	3.39	27.45	21.22	0.0	21.22	-1.04	0.41	0.0	0.41				
JAPAN	0.0	0.0	1.38	4.73	-0.46	4.05	9.80	51.00	4.96	55.96	0.30	3.61	-1.52	2.95				
AUST-N ZEALAND	5.00	1.69	6.77	0.0	2.04	2.04	8.04	0.0	10.32	10.32	4.91	0.0	0.26	0.26				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.66	1.23	1.90	0.0	3.20	3.20	3.76	0.0	1.70	1.70	-0.72	0.0	0.54	0.54				
EAST ASIA HIGH	0.39	0.82	1.22	3.11	0.0	3.11	2.64	18.61	0.0	18.61	-0.72	1.14	0.0	1.14				
EAST ASIA LOW	0.0	0.0	-3.43	0.0	0.0	0.0	6.49	0.0	0.0	0.0	-6.50	0.0	0.0	0.0				
INDIA	2.05	0.38	2.44	2.60	0.0	2.60	6.09	4.94	0.0	4.94	-0.03	0.13	0.0	0.13				
NAF-M-EAST HIGH	0.0	0.0	0.0	3.55	0.0	3.55	0.0	5.61	0.0	5.61	0.0	0.31	0.0	0.31				
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
MIDDLE AMERICA	1.28	0.24	1.53	3.47	0.0	3.47	7.96	12.31	0.0	12.31	-1.53	0.36	0.0	0.36				
BRAZIL	17.25	-1.80	15.14	8.48	0.0	8.48	104.38	16.40	0.0	16.40	11.95	5.48	0.0	5.48				
ARGENTINA	0.90	0.47	1.37	0.0	1.15	1.15	43.54	0.0	9.89	9.89	0.10	0.0	-0.11	-0.11				
OTHER S AMERICA	0.84	-0.02	0.82	3.07	0.0	3.07	44.66	5.78	0.0	5.78	-1.89	0.30	0.0	0.30				

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL		
	-- -- -- PERCENT PER ANNUM -- -- --															
MILK PRODUCTS																
FLUID MILK																
UNITED STATES	0.0	0.0	1.59	0.0	0.0	0.0	294.80	0.0	0.0	0.0	0.85	0.0	0.0	0.0		
CANADA	0.0	0.0	1.94	0.0	0.0	0.0	424.40	0.0	0.0	0.0	0.50	0.0	0.0	0.0		
EURO SIX	0.0	0.0	1.07	0.0	0.0	0.0	425.68	0.0	0.0	0.0	0.49	0.0	0.0	0.0		
EURO THREE	0.0	0.0	0.10	0.0	0.0	0.0	313.17	0.0	0.0	0.0	-0.30	0.0	0.0	0.0		
OTHER W EUROPE	0.0	0.0	0.85	0.0	0.0	0.0	274.41	0.0	0.0	0.0	0.24	0.0	0.0	0.0		
JAPAN	0.0	0.0	4.96	0.0	0.0	0.0	79.28	0.0	0.0	0.0	3.84	0.0	0.0	0.0		
AUST-N ZEALAND	0.0	0.0	1.01	0.0	0.0	0.0	801.21	0.0	0.0	0.0	-0.75	0.0	0.0	0.0		
-- -- -- PERCENT PER ANNUM -- -- --																
MILK PRODUCTS																
FLUID MILK																
UNITED STATES	0.0	0.0	0.0	0.0	0.51	0.51	0.0	0.0	158.71	158.71	0.0	0.0	-0.21	-0.21		
CANADA	0.0	0.0	0.0	0.0	1.22	1.22	0.0	0.0	170.87	170.87	0.0	0.0	-0.21	-0.21		
EURO SIX	0.0	0.0	0.0	0.0	1.02	1.02	0.0	0.0	179.04	179.04	0.0	0.0	0.44	0.44		
EURO THREE	0.0	0.0	0.0	0.0	0.61	0.61	0.0	0.0	202.14	202.14	0.0	0.0	0.20	0.20		
OTHER W EUROPE	0.0	0.0	0.0	0.0	1.60	1.60	0.0	0.0	183.11	183.11	0.0	0.0	0.98	0.98		
JAPAN	0.0	0.0	0.0	0.0	4.46	4.46	0.0	0.0	54.37	54.37	0.0	0.0	3.36	3.36		
AUST-N ZEALAND	0.0	0.0	0.0	0.0	1.62	1.62	0.0	0.0	205.15	205.15	0.0	0.0	-0.15	-0.15		
-- -- -- PERCENT PER ANNUM -- -- --																
BUTTER																
UNITED STATES	0.0	0.0	2.96	0.0	3.18	3.18	3.50	0.0	3.50	3.50	2.22	0.0	2.44	2.44		
CANADA	0.0	0.0	2.58	0.0	0.98	0.98	8.32	0.0	6.58	6.58	1.12	0.0	-0.45	-0.45		
EURO SIX	0.0	0.0	0.97	0.0	1.05	1.05	7.29	0.0	6.82	6.82	0.38	0.0	0.46	0.46		
EURO THREE	0.0	0.0	-1.04	0.0	-3.25	-3.25	3.48	0.0	5.09	5.09	-1.44	0.0	-3.64	-3.64		
OTHER W EUROPE	0.0	0.0	-2.48	0.0	2.31	2.31	1.95	0.0	3.82	3.82	-3.08	0.0	1.69	1.69		
JAPAN	0.0	0.0	6.23	0.0	4.84	4.84	0.91	0.0	0.76	0.76	5.11	0.0	3.73	3.73		
AUST-N ZEALAND	0.0	0.0	0.98	0.0	1.75	1.75	25.91	0.0	11.33	11.33	-0.77	0.0	-0.01	-0.01		
-- -- -- PERCENT PER ANNUM -- -- --																
CHEESE																
UNITED STATES	0.0	0.0	3.15	0.0	2.17	2.17	6.92	0.0	6.43	6.43	2.40	0.0	1.44	1.44		
CANADA	0.0	0.0	2.18	0.0	3.08	3.08	5.36	0.0	6.72	6.72	0.73	0.0	1.62	1.62		
EURO SIX	0.0	0.0	1.42	0.0	1.68	1.68	11.19	0.0	11.46	11.46	0.83	0.0	1.09	1.09		
EURO THREE	0.0	0.0	-0.00	0.0	-2.82	-2.82	4.17	0.0	3.45	3.45	-0.41	0.0	-3.22	-3.22		
OTHER W EUROPE	0.0	0.0	1.66	0.0	3.10	3.10	6.17	0.0	6.51	6.51	1.04	0.0	2.47	2.47		
JAPAN	0.0	0.0	5.62	0.0	6.88	6.88	0.18	0.0	0.95	0.95	4.50	0.0	5.75	5.75		
AUST-N ZEALAND	0.0	0.0	-0.15	0.0	3.53	3.53	8.73	0.0	5.06	5.06	-1.89	0.0	1.73	1.73		

1985 ALTERNATIVE III

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	- - - - PERCENT PER ANNUM - - - -				- - - - KILOGRAMS - - - -				- - PERCENT PER ANNUM - -					
TOTAL MEAT														
UNITED STATES	0.0	0.0	1.18	0.0	1.54	1.54	110.73	0.0	120.68	120.68	0.45	0.0	0.81	0.81
CANADA	0.0	0.0	2.94	0.0	2.60	2.60	113.24	0.0	108.82	108.82	1.48	0.0	1.15	1.15
EURO SIX	0.0	0.0	2.52	0.0	2.00	2.00	82.04	0.0	78.53	78.53	1.93	0.0	1.41	1.41
EURO THREE	0.0	0.0	1.82	0.0	1.11	1.11	80.25	0.0	81.06	81.06	1.41	0.0	0.70	0.70
OTHER W EUROPE	0.0	0.0	2.85	0.0	2.35	2.35	56.99	0.0	57.18	57.18	2.23	0.0	1.72	1.72
JAPAN	0.0	0.0	6.45	0.0	5.11	5.11	28.39	0.0	27.85	27.85	5.32	0.0	4.00	4.00
AUST-N ZEALAND	0.0	0.0	2.45	0.0	1.46	1.46	221.34	0.0	100.81	100.81	0.67	0.0	-0.30	-0.30
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.43	0.0	4.51	4.51	18.13	0.0	16.01	16.01	1.28	0.0	1.37	1.37
BRAZIL	0.0	0.0	3.24	0.0	4.62	4.62	27.31	0.0	31.62	31.62	0.38	0.0	1.73	1.73
ARGENTINA	0.0	0.0	1.19	0.0	1.87	1.87	118.99	0.0	100.40	100.40	-0.07	0.0	0.60	0.60

BEEF AND VEAL

UNITED STATES	0.0	0.0	1.46	0.0	1.50	1.50	54.77	0.0	59.05	59.05	0.73	0.0	0.76	0.76
CANADA	0.0	0.0	3.42	0.0	2.53	2.53	56.05	0.0	50.95	50.95	1.96	0.0	1.08	1.08
EURO SIX	0.0	0.0	1.96	0.0	1.77	1.77	28.79	0.0	30.61	30.61	1.37	0.0	1.18	1.18
EURO THREE	0.0	0.0	2.92	0.0	0.32	0.32	30.47	0.0	23.68	23.68	2.50	0.0	-0.09	-0.09
OTHER W EUROPE	0.0	0.0	2.86	0.0	2.22	2.22	18.00	0.0	19.31	19.31	2.23	0.0	1.59	1.59
JAPAN	0.0	0.0	6.51	0.0	6.23	6.23	5.28	0.0	5.92	5.92	5.38	0.0	5.10	5.10
AUST-N ZEALAND	0.0	0.0	2.86	0.0	2.87	2.87	106.16	0.0	50.16	50.16	1.08	0.0	1.08	1.08
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.70	0.0	4.57	4.57	13.46	0.0	10.85	10.85	1.55	0.0	1.42	1.42
BRAZIL	0.0	0.0	3.00	0.0	4.87	4.87	19.78	0.0	24.11	24.11	0.15	0.0	1.96	1.96
ARGENTINA	0.0	0.0	1.19	0.0	1.89	1.89	102.48	0.0	84.70	84.70	-0.07	0.0	0.62	0.62

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
	-- -- -- PERCENT PER ANNUM -- -- --						-- -- -- KILOGRAMS -- -- --						-- -- PERCENT PER ANNUM -- --					
PORK																		
UNITED STATES	0.0	0.0	-0.01	0.0	1.37	1.37	27.24	0.0	33.99	33.99	-0.73	0.0	0.64	0.64				
CANADA	0.0	0.0	1.71	0.0	2.03	2.03	29.75	0.0	30.50	30.50	0.27	0.0	0.58	0.58				
EURO SIX	0.0	0.0	2.43	0.0	1.51	1.51	35.36	0.0	30.50	30.50	1.84	0.0	0.92	0.92				
EURO THREE	0.0	0.0	1.56	0.0	1.49	1.49	34.39	0.0	34.33	34.33	1.14	0.0	1.08	1.08				
OTHER W EUROPE	0.0	0.0	2.45	0.0	1.57	1.57	23.86	0.0	20.87	20.87	1.82	0.0	0.95	0.95				
JAPAN	0.0	0.0	7.57	0.0	5.41	5.41	15.49	0.0	12.01	12.01	6.42	0.0	4.29	4.29				
AUST-N ZEALAND	0.0	0.0	1.35	0.0	1.35	1.35	13.01	0.0	12.71	12.71	-0.41	0.0	-0.41	-0.41				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
MIDDLE AMERICA	0.0	0.0	3.70	0.0	4.39	4.39	4.67	0.0	5.17	5.17	0.58	0.0	1.25	1.25				
BRAZIL	0.0	0.0	3.90	0.0	3.90	3.90	7.52	0.0	7.51	7.51	1.03	0.0	1.03	1.03				
ARGENTINA	0.0	0.0	2.00	0.0	1.99	1.99	10.19	0.0	9.91	9.91	0.72	0.0	0.72	0.72				
POULTRY																		
UNITED STATES	0.0	0.0	2.31	0.0	2.31	2.31	28.72	0.0	27.63	27.63	1.57	0.0	1.57	1.57				
CANADA	0.0	0.0	3.46	0.0	3.46	3.46	27.44	0.0	27.37	27.37	2.00	0.0	2.00	2.00				
EURO SIX	0.0	0.0	4.05	0.0	3.72	3.72	16.98	0.0	16.16	16.16	3.45	0.0	3.12	3.12				
EURO THREE	0.0	0.0	0.96	0.0	2.36	2.36	11.75	0.0	13.58	13.58	0.55	0.0	1.94	1.94				
OTHER W EUROPE	0.0	0.0	4.83	0.0	4.83	4.83	12.04	0.0	12.99	12.99	4.19	0.0	4.19	4.19				
JAPAN	0.0	0.0	4.61	0.0	4.60	4.60	7.62	0.0	7.85	7.85	3.49	0.0	3.49	3.49				
AUST-N ZEALAND	0.0	0.0	3.13	0.0	0.0	0.0	12.19	0.0	0.0	0.0	1.34	0.0	0.0	0.0				
LAMB AND MUTTON																		
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
EURO SIX	0.0	0.0	-0.25	0.0	0.75	0.75	0.92	0.0	1.26	1.26	-0.82	0.0	0.17	0.17				
EURO THREE	0.0	0.0	-0.54	0.0	0.33	0.33	3.65	0.0	9.48	9.48	-0.95	0.0	-0.08	-0.08				
OTHER W EUROPE	0.0	0.0	0.13	0.0	0.79	0.79	3.10	0.0	4.00	4.00	0.48	0.0	0.17	0.17				
JAPAN	0.0	0.0	0.0	0.0	2.92	2.92	0.0	0.0	2.08	2.08	0.0	0.0	1.83	1.83				
AUST-N ZEALAND	0.0	0.0	2.07	0.0	1.51	1.51	89.99	0.0	37.94	37.94	0.30	0.0	-0.26	-0.26				
ARGENTINA	0.0	0.0	0.05	0.0	1.41	1.41	6.32	0.0	5.79	5.79	-1.20	0.0	0.14	0.14				

1985 ALTERNATIVE III: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	6.12255	0.72962
CANADA	6.95457	0.39719
EURO SIX	3.86808	1.00509
EURO THREE	3.81415	1.19184
OTHER W EUROPE	5.11249	1.01511
JAPAN	6.75197	1.79643
AUST-N ZEALAND	1.00069	0.0
MIDDLE AMERICA	2.28912	0.67881
BRAZIL	4.56514	0.60078
ARGENTINA	1.71896	0.0
DEV-ED REGION	5.02297	0.86837
LESS DEV-ED RG	4.96616	1.06299
WORLD TOTAL	5.01546	0.89410

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

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1985 ALTERNATIVE IV: COARSE GRAINS

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
															--	--	--	--
-- -- -- PERCENT PER ANNUM -- -- -- KILOGRAMS -- -- -- PERCENT PER ANNUM -- --																		
UNITED STATES	1.06	1.79	2.86	2.49	0.57	2.32	1109.28	828.07	71.87	899.94	2.12	1.75	-0.15	1.55				
CANADA	1.07	2.37	3.46	3.15	0.32	2.82	1106.98	800.14	85.80	885.95	2.00	1.69	-1.10	1.36				
EURO SIX	0.76	2.03	2.81	3.01	1.06	2.65	290.09	289.11	56.08	345.19	2.21	2.41	0.47	2.06				
EURO THREE	0.81	1.13	1.94	1.55	-0.10	1.22	330.72	313.20	69.27	382.47	1.52	1.13	-0.51	0.80				
OTHER W EUROPE	0.67	2.32	3.01	2.68	1.10	2.43	313.81	302.64	49.48	352.12	2.38	2.05	0.48	1.80				
SOUTH AFRICA	0.84	1.46	2.32	3.54	2.79	3.09	372.45	116.09	162.82	278.91	-0.62	0.56	-0.17	0.13				
JAPAN	-2.21	0.33	-1.89	7.51	2.27	6.84	4.45	223.72	21.34	245.07	-2.93	6.37	1.18	5.71				
AUST-N ZEALAND	2.31	1.40	3.75	4.12	0.92	3.21	471.29	183.96	56.66	240.62	1.95	2.31	-0.84	1.42				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.13	5.17	5.30	0.0	5.57	5.57	33.47	0.0	30.53	30.53	2.59	0.0	2.86	2.86				
EAST ASIA HIGH	0.03	2.09	2.12	4.70	2.33	3.65	41.79	56.06	37.23	93.29	0.17	2.70	0.37	1.67				
EAST ASIA LOW	2.30	3.07	5.44	0.0	3.53	4.72	58.51	8.83	47.33	56.16	2.09	0.0	0.25	1.40				
THAILAND	3.06	1.58	4.69	0.0	5.97	5.97	64.12	0.0	8.29	8.29	1.34	0.0	2.58	2.58				
OTHER SE ASIA	0.0	0.0	9.46	0.0	2.63	17.53	14.64	10.49	1.58	12.06	6.93	0.0	0.26	-14.82				
INDIA	0.37	2.71	3.08	12.08	2.48	3.21	47.21	6.88	43.44	50.31	0.60	9.38	0.01	0.72				
OTHER S. ASIA	0.74	3.39	4.15	0.0	3.56	3.56	6.16	0.0	5.81	5.81	1.09	0.0	0.53	0.53				
N.AF.-M. EST HIGH	0.25	2.80	3.06	5.44	4.46	4.70	35.03	18.23	52.02	70.25	-0.16	2.14	1.19	1.43				
N.AF.-M. EST LOW	-0.44	2.95	2.50	2.77	2.99	2.92	108.76	39.29	82.53	121.83	-0.34	-0.07	0.13	0.07				
CENTRAL AFRICA	0.0	0.0	1.25	0.0	1.25	1.25	13.04	0.0	13.04	13.04	-1.47	0.0	-1.47	-1.47				
EAST AFRICA	0.84	1.92	2.78	13.51	3.26	3.36	106.40	2.08	111.92	114.00	-0.24	10.18	0.23	0.32				
MIDDLE AMERICA	0.84	3.34	4.20	3.94	3.49	3.60	192.32	43.13	135.34	178.48	1.07	0.81	0.38	0.48				
VENEZUELA	0.68	4.14	4.85	5.26	3.84	4.28	85.42	38.83	78.58	117.41	1.85	2.25	0.86	1.29				
BRASIL	2.59	2.86	5.52	4.23	4.58	4.32	225.98	140.46	44.09	184.55	2.60	1.35	1.68	1.43				
ARGENTINA	1.61	0.73	2.35	1.83	0.09	1.51	637.18	231.60	44.69	276.29	1.07	0.56	-1.16	0.24				
OTHER S AMERICA	0.56	2.95	3.52	3.44	3.35	3.39	63.87	28.66	40.69	69.34	0.74	0.66	0.58	0.61				

1985 ALTERNATIVE IV: WHEAT

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION			
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL		
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
-- -- -- PERCENT PER ANNUM																
-- -- -- KILOGRAMS																
UNITED STATES	2.51	0.90	3.44	2.03	0.52	0.97	291.04	35.80	75.09	110.90	2.69	1.29	-0.20	0.24		
CANADA	0.35	1.94	2.29	3.04	0.51	1.82	868.53	133.56	101.74	235.30	0.84	1.58	-0.91	0.38		
EURO SIX	-2.29	2.37	0.02	3.21	0.48	1.35	154.30	67.39	116.79	184.18	-0.55	2.62	-0.10	0.76		
EURO THREE	0.10	-0.04	0.06	2.07	-0.16	0.73	76.39	71.09	90.18	161.28	-0.35	1.65	-0.57	0.32		
OTHER W EUROPE	-1.11	1.65	0.52	3.04	0.65	1.13	118.72	32.43	109.62	142.05	-0.10	2.41	0.04	0.51		
SOUTH AFRICA	1.38	1.72	3.13	0.0	3.24	3.24	70.18	0.0	64.28	64.28	0.16	0.0	0.27	0.27		
JAPAN	-3.83	1.01	-2.86	0.0	3.49	3.49	2.91	0.0	68.68	68.68	-3.89	0.0	2.39	2.39		
AUST-N ZEALAND	2.06	1.13	3.21	4.03	0.83	1.84	758.76	73.51	124.37	197.87	1.41	2.22	-0.92	0.07		
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
INDONESIA	0.0	0.0	0.0	0.0	15.79	15.79	0.0	0.0	27.04	27.04	0.0	0.0	12.81	12.81		
EAST ASIA HIGH	1.78	2.09	3.91	0.0	4.60	4.60	9.02	0.0	92.78	92.78	1.92	0.0	2.60	2.60		
EAST ASIA LOW	0.0	0.0	0.0	0.0	3.55	3.55	0.0	0.0	20.43	20.43	0.0	0.0	0.27	0.27		
THAILAND	0.0	0.0	0.0	0.0	4.72	4.72	0.0	0.0	2.28	2.28	0.0	0.0	1.38	1.38		
OTHER SE ASIA	0.0	0.0	0.0	0.0	2.96	2.96	0.0	0.0	5.67	5.67	0.0	0.0	0.58	0.58		
INDIA	2.66	2.80	5.54	0.0	5.19	5.19	57.39	0.0	58.98	58.98	2.99	0.0	2.65	2.65		
OTHER S. ASIA	0.95	3.52	4.51	0.0	5.20	5.20	50.36	0.0	69.47	69.47	1.44	0.0	2.11	2.11		
N.AF.-M.EST HIGH	1.07	3.62	4.72	0.0	5.08	5.08	131.84	0.0	193.75	193.75	1.45	0.0	1.80	1.80		
N.AF.-M.EST LOW	1.13	3.03	4.19	0.0	2.76	2.76	144.01	0.0	167.57	167.57	1.30	0.0	-0.09	-0.09		
CENTRAL AFRICA	0.0	0.0	1.30	0.0	7.48	7.48	2.84	0.0	9.87	9.87	-1.42	0.0	4.60	4.60		
EAST AFRICA	1.20	2.16	3.39	0.0	5.70	5.70	7.25	0.0	14.42	14.42	0.35	0.0	2.59	2.59		
MIDDLE AMERICA	-0.03	3.18	3.15	3.93	4.64	4.62	26.82	0.0	45.21	46.57	0.05	0.80	1.49	1.49		
VENEZUELA	0.0	0.0	0.0	0.0	5.04	5.04	0.0	0.0	88.60	88.60	0.0	0.0	2.03	2.03		
BRAZIL	1.91	2.66	4.62	0.0	3.46	3.46	24.09	0.0	43.68	43.68	1.72	0.0	0.60	0.60		
ARGENTINA	1.52	1.69	3.24	0.0	0.71	0.71	324.89	0.0	161.04	161.04	1.95	0.0	-0.55	-0.55		
OTHER S AMERICA	0.53	2.43	2.97	0.0	4.07	4.07	32.56	0.0	75.18	75.18	0.21	0.0	1.28	1.28		

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
															-- PERCENT PER ANNUM --			
UNITED STATES	1.25	1.41	2.68	0.0	1.33	1.33	18.75	0.0	7.02	7.02	1.94	0.0	0.60	0.60				
	0.0	0.0	0.0	0.0	1.67	1.67	0.0	0.0	2.96	2.96	0.0	0.0	0.24	0.24				
	0.05	0.05	0.10	0.0	1.53	1.53	3.27	0.0	3.70	3.70	-0.48	0.0	0.95	0.95				
	0.0	0.0	0.0	0.0	-0.70	-0.70	0.0	0.0	1.94	1.94	0.0	0.0	-1.10	-1.10				
	0.94	0.99	1.42	0.0	0.90	0.90	6.18	0.0	7.31	7.31	0.80	0.0	0.28	0.28				
	0.0	0.0	0.0	0.0	2.99	2.99	0.0	0.0	3.63	3.63	0.0	0.0	0.02	0.02				
	-1.51	0.70	-0.83	0.0	-0.93	-0.93	82.19	0.0	83.06	83.06	-1.88	0.0	-1.98	-1.98				
	4.13	0.04	4.17	0.0	1.98	1.98	17.69	0.0	4.11	4.11	2.36	0.0	0.21	0.21				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	1.44	1.85	3.31	0.0	4.00	4.00	109.43	0.0	128.34	128.34	0.66	0.0	1.33	1.33				
	0.03	1.40	1.42	0.0	1.23	1.23	116.69	0.0	139.51	139.51	-0.52	0.0	-0.70	-0.70				
	1.32	3.68	5.05	0.0	3.07	3.07	122.33	0.0	103.78	103.78	1.72	0.0	-0.20	-0.20				
	1.76	1.62	3.41	0.0	3.79	3.79	243.11	0.0	211.56	211.56	0.10	0.0	0.48	0.48				
	0.75	2.35	3.12	0.0	2.44	2.44	231.96	0.0	205.37	205.37	0.73	0.0	0.08	0.08				
	1.17	2.23	3.43	0.0	3.41	3.41	84.97	0.0	87.24	87.24	0.93	0.0	0.91	0.91				
	1.09	2.34	3.46	0.0	3.53	3.53	98.03	0.0	101.50	101.50	0.42	0.0	0.49	0.49				
	1.64	3.42	5.12	0.0	5.37	5.37	19.17	0.0	28.95	28.95	1.83	0.0	2.08	2.08				
	1.83	1.22	3.07	0.0	3.09	3.09	16.75	0.0	13.27	13.27	0.21	0.0	0.23	0.23				
OTHER S. ASIA	0.0	0.0	2.55	0.0	2.77	2.77	15.48	0.0	19.85	19.85	-0.20	0.0	0.01	0.01				
	0.84	2.88	3.74	0.0	3.54	3.54	4.12	0.0	4.40	4.40	0.69	0.0	0.49	0.49				
	0.96	2.58	3.56	0.0	4.41	4.41	9.75	0.0	13.06	13.06	0.45	0.0	1.27	1.27				
	-1.31	5.49	4.11	0.0	3.87	3.87	14.37	0.0	12.08	12.08	1.13	0.0	0.89	0.89				
	2.66	2.08	4.79	0.0	4.25	4.25	66.45	0.0	60.93	60.93	1.89	0.0	1.37	1.37				
	2.41	0.56	2.98	0.0	1.54	1.54	12.35	0.0	6.98	6.98	1.69	0.0	0.27	0.27				
	4.12	0.99	5.15	0.0	4.23	4.23	32.05	0.0	25.63	25.63	2.33	0.0	1.43	1.43				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

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REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -				
				PERCENT PER ANNUM					KILOGRAMS				PERCENT PER ANNUM					
UNITED STATES	3.60	0.00	3.60	1.96	0.0	1.96	188.85	83.40	0.0	83.40	2.85	1.23	0.0	1.23				
CANADA	2.02	1.53	3.59	5.02	0.0	5.02	84.99	69.65	0.0	69.65	2.12	3.53	0.0	3.53				
EURO SIX	0.0	0.0	1.62	2.81	0.0	2.81	3.41	77.95	0.0	77.95	1.04	2.22	0.0	2.22				
EURO THREE	0.0	0.0	1.65	4.81	0.0	4.81	10.32	90.84	0.0	90.84	1.24	4.38	0.0	4.38				
OTHER W EUROPE	1.68	-0.87	0.79	3.22	0.0	3.22	13.40	52.80	0.0	52.80	0.18	2.59	0.0	2.59				
SOUTH AFRICA	0.0	0.0	2.00	3.54	0.0	3.54	27.90	21.70	0.0	21.70	-0.93	0.56	0.0	0.56				
JAPAN	0.0	0.0	1.45	6.87	-0.63	6.00	9.91	69.09	4.84	73.93	0.37	5.73	-1.68	4.88				
AUST-N ZEALAND	5.61	1.61	7.31	0.0	1.83	1.83	8.69	0.0	10.02	10.02	5.45	0.0	0.06	0.06				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	1.20	1.31	2.52	0.0	4.12	4.12	4.12	0.0	1.94	1.94	-0.11	0.0	1.44	1.44				
EAST ASIA HIGH	0.65	1.46	2.12	3.97	0.0	3.97	3.02	21.06	0.0	21.06	0.17	1.98	0.0	1.98				
EAST ASIA LOW	0.0	0.0	-3.32	0.0	0.0	0.0	6.60	0.0	0.0	0.0	-6.39	0.0	0.0	0.0				
INDIA	2.23	0.78	3.02	2.56	0.0	2.56	6.64	4.92	0.0	4.92	0.54	0.09	0.0	0.09				
N.A.F.-M.EST HIGH	0.0	0.0	0.0	4.21	0.0	4.21	0.0	6.18	0.0	6.18	0.0	0.96	0.0	0.96				
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
MIDDLE AMERICA	1.34	0.73	2.07	3.91	0.0	3.91	8.63	13.12	0.0	13.12	-1.00	0.79	0.0	0.79				
BRAZIL	17.49	-1.79	15.39	8.72	0.0	8.72	107.82	16.97	0.0	16.97	12.19	5.71	0.0	5.71				
ARGENTINA	1.96	0.54	2.51	0.0	1.17	1.17	51.53	0.0	9.91	9.91	1.23	0.0	-0.10	-0.10				
OTHER S AMERICA	1.12	-0.14	0.98	3.19	0.0	3.19	45.76	5.88	0.0	5.88	-1.73	0.42	0.0	0.42				

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	- - - - PERCENT PER ANNUM - - - -				- - - - KILOGRAMS - - - -				- - PERCENT PER ANNUM - -					
MILK PRODUCTS														
UNITED STATES	0.0	0.0	1.01	0.0	0.0	0.0	270.50	0.0	0.0	0.0	0.28	0.0	0.0	0.0
CANADA	0.0	0.0	1.55	0.0	0.0	0.0	400.45	0.0	0.0	0.0	0.11	0.0	0.0	0.0
EURO SIX	0.0	0.0	1.36	0.0	0.0	0.0	444.57	0.0	0.0	0.0	0.78	0.0	0.0	0.0
EURO THREE	0.0	0.0	0.39	0.0	0.0	0.0	327.03	0.0	0.0	0.0	-0.02	0.0	0.0	0.0
OTHER W EUROPE	0.0	0.0	1.51	0.0	0.0	0.0	302.47	0.0	0.0	0.0	0.89	0.0	0.0	0.0
JAPAN	0.0	0.0	5.12	0.0	0.0	0.0	81.13	0.0	0.0	0.0	4.00	0.0	0.0	0.0
AUST-N ZEALAND	0.0	0.0	2.07	0.0	0.0	0.0	937.66	0.0	0.0	0.0	0.30	0.0	0.0	0.0
FLUID MILK														
UNITED STATES	0.0	0.0	0.0	0.0	0.34	0.34	0.0	0.0	154.70	154.70	0.0	0.0	-0.38	-0.38
CANADA	0.0	0.0	0.0	0.0	1.04	1.04	0.0	0.0	166.49	166.49	0.0	0.0	-0.39	-0.39
EURO SIX	0.0	0.0	0.0	0.0	1.33	1.33	0.0	0.0	187.41	187.41	0.0	0.0	0.75	0.75
EURO THREE	0.0	0.0	0.0	0.0	0.79	0.79	0.0	0.0	207.87	207.87	0.0	0.0	0.38	0.38
OTHER W EUROPE	0.0	0.0	0.0	0.0	2.14	2.14	0.0	0.0	198.11	198.11	0.0	0.0	1.51	1.51
JAPAN	0.0	0.0	0.0	0.0	7.10	7.10	0.0	0.0	79.01	79.01	0.0	0.0	5.96	5.96
AUST-N ZEALAND	0.0	0.0	0.0	0.0	1.42	1.42	0.0	0.0	199.17	199.17	0.0	0.0	-0.35	-0.35
BUTTER														
UNITED STATES	0.0	0.0	1.23	0.0	1.45	1.45	2.72	0.0	2.72	2.72	0.50	0.0	0.71	0.71
CANADA	0.0	0.0	1.55	0.0	-0.28	-0.28	7.15	0.0	5.45	5.45	0.11	0.0	-1.69	-1.69
EURO SIX	0.0	0.0	0.75	0.0	1.24	1.24	7.05	0.0	7.02	7.02	0.17	0.0	0.66	0.66
EURO THREE	0.0	0.0	-0.70	0.0	-3.28	-3.28	3.66	0.0	5.06	5.06	-1.10	0.0	-3.68	-3.68
OTHER W EUROPE	0.0	0.0	-2.93	0.0	2.26	2.26	1.82	0.0	3.79	3.79	-3.52	0.0	1.63	1.63
JAPAN	0.0	0.0	0.0	0.0	7.25	7.25	-0.03	0.0	1.06	1.06	0.0	0.0	6.11	6.11
AUST-N ZEALAND	0.0	0.0	2.60	0.0	0.66	0.66	32.88	0.0	9.63	9.63	0.81	0.0	-1.09	-1.09
CHEESE														
UNITED STATES	0.0	0.0	2.71	0.0	2.71	2.71	6.49	0.0	6.95	6.95	1.97	0.0	1.97	1.97
CANADA	0.0	0.0	2.99	0.0	3.81	3.81	6.04	0.0	7.47	7.47	1.54	0.0	2.34	2.34
EURO SIX	0.0	0.0	2.65	0.0	2.51	2.51	13.42	0.0	12.94	12.94	2.06	0.0	1.91	1.91
EURO THREE	0.0	0.0	0.73	0.0	-2.45	-2.45	4.65	0.0	3.65	3.65	0.32	0.0	-2.84	-2.84
OTHER W EUROPE	0.0	0.0	3.43	0.0	3.98	3.98	7.98	0.0	7.39	7.39	2.79	0.0	3.35	3.35
JAPAN	0.0	0.0	9.25	0.0	9.69	9.69	0.30	0.0	1.40	1.40	8.09	0.0	8.52	8.52
AUST-N ZEALAND	0.0	0.0	0.19	0.0	3.90	3.90	9.20	0.0	5.34	5.34	-1.55	0.0	2.09	2.09

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	- - - - PERCENT PER ANNUM - - - -													
TOTAL MEAT														
UNITED STATES	0.0	0.0	1.96	0.0	1.52	1.52	124.17	0.0	120.27	120.27	1.22	0.0	0.79	0.79
CANADA	0.0	0.0	3.33	0.0	3.04	3.04	119.87	0.0	116.01	116.01	1.86	0.0	1.58	1.58
EURO SIX	0.0	0.0	2.75	0.0	2.97	2.97	84.85	0.0	90.51	90.51	2.15	0.0	2.37	2.37
EURO THREE	0.0	0.0	2.35	0.0	1.69	1.69	85.70	0.0	88.23	88.23	1.93	0.0	1.27	1.27
OTHER W EUROPE	0.0	0.0	3.08	0.0	3.72	3.72	58.92	0.0	69.85	69.85	2.45	0.0	3.09	3.09
JAPAN	0.0	0.0	8.21	0.0	9.04	9.04	36.35	0.0	48.28	48.28	7.06	0.0	7.88	7.88
AUST-N ZEALAND	0.0	0.0	2.94	0.0	1.45	1.45	237.70	0.0	100.65	100.65	1.15	0.0	-0.31	-0.31
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.80	0.0	5.75	5.75	19.14	0.0	19.12	19.12	1.65	0.0	2.57	2.57
BRAZIL	0.0	0.0	4.05	0.0	4.69	4.69	30.73	0.0	31.92	31.92	1.17	0.0	1.79	1.79
ARGENTINA	0.0	0.0	2.30	0.0	1.54	1.54	140.25	0.0	95.63	95.63	1.03	0.0	0.28	0.28
- - - - PERCENT PER ANNUM - - - -														
BEEF AND VEAL														
UNITED STATES	0.0	0.0	2.00	0.0	1.56	1.56	59.30	0.0	59.61	59.61	1.26	0.0	0.83	0.83
CANADA	0.0	0.0	3.82	0.0	3.35	3.35	59.33	0.0	57.41	57.41	2.35	0.0	1.89	1.89
EURO SIX	0.0	0.0	2.08	0.0	2.91	2.91	29.32	0.0	36.17	36.17	1.49	0.0	2.31	2.31
EURO THREE	0.0	0.0	3.14	0.0	1.19	1.19	31.49	0.0	26.99	26.99	2.72	0.0	0.78	0.78
OTHER W EUROPE	0.0	0.0	3.14	0.0	3.95	3.95	18.73	0.0	24.85	24.85	2.51	0.0	3.31	3.31
JAPAN	0.0	0.0	9.13	0.0	11.89	11.89	7.60	0.0	12.91	12.91	7.97	0.0	10.70	10.70
AUST-N ZEALAND	0.0	0.0	3.63	0.0	2.70	2.70	118.65	0.0	48.94	48.94	1.83	0.0	0.92	0.92
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	5.15	0.0	5.84	5.84	14.36	0.0	13.00	13.00	1.99	0.0	2.65	2.65
BRAZIL	0.0	0.0	4.05	0.0	4.91	4.91	23.04	0.0	24.25	24.25	1.17	0.0	2.00	2.00
ARGENTINA	0.0	0.0	2.47	0.0	1.48	1.48	123.65	0.0	79.72	79.72	1.19	0.0	0.22	0.22

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	-- -- -- PERCENT PER ANNUM -- -- --				-- -- -- KILOGRAMS -- -- --				-- -- -- PERCENT PER ANNUM -- --					
					PORK									
UNITED STATES	0.0	0.0	1.14	0.0	0.39	0.39	32.34	0.0	29.36	29.36	0.41	0.0	-0.33	-0.33
CANADA	0.0	0.0	1.96	0.0	1.69	1.69	30.89	0.0	29.03	29.03	0.52	0.0	0.25	0.25
EURO SIX	0.0	0.0	2.55	0.0	2.40	2.40	35.99	0.0	34.76	34.76	1.96	0.0	1.81	1.81
EURO THREE	0.0	0.0	2.08	0.0	2.12	2.12	37.14	0.0	37.62	37.62	1.66	0.0	1.70	1.70
OTHER W EUROPE	0.0	0.0	2.33	0.0	3.21	3.21	23.45	0.0	26.54	26.54	1.70	0.0	2.58	2.58
JAPAN	0.0	0.0	9.03	0.0	9.97	9.97	18.97	0.0	22.67	22.67	7.87	0.0	8.81	8.81
AUST-N ZEALAND	0.0	0.0	1.53	0.0	1.53	1.53	13.36	0.0	13.05	13.05	-0.23	0.0	-0.23	-0.23
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	3.86	0.0	5.58	5.58	4.78	0.0	6.12	6.12	0.73	0.0	2.40	2.40
BRAZIL	0.0	0.0	4.05	0.0	4.05	4.05	7.69	0.0	7.68	7.68	1.17	0.0	1.17	1.17
ARGENTINA	0.0	0.0	1.97	0.0	1.97	1.97	10.16	0.0	9.88	9.88	0.70	0.0	0.70	0.70
					POULTRY									
UNITED STATES	0.0	0.0	3.16	0.0	3.16	3.16	32.53	0.0	31.30	31.30	2.42	0.0	2.42	2.42
CANADA	0.0	0.0	4.00	0.0	4.00	4.00	29.65	0.0	29.58	29.58	2.52	0.0	2.52	2.52
EURO SIX	0.0	0.0	4.67	0.0	4.59	4.59	18.57	0.0	18.32	18.32	4.07	0.0	3.99	3.99
EURO THREE	0.0	0.0	2.23	0.0	2.70	2.70	14.17	0.0	14.28	14.28	1.81	0.0	2.28	2.28
OTHER W EUROPE	0.0	0.0	5.58	0.0	5.58	5.58	13.41	0.0	14.46	14.46	4.94	0.0	4.94	4.94
JAPAN	0.0	0.0	6.36	0.0	6.36	6.36	9.78	0.0	10.07	10.07	5.23	0.0	5.23	5.23
AUST-N ZEALAND	0.0	0.0	4.22	0.0	0.0	0.0	14.26	0.0	0.0	0.0	2.40	0.0	0.0	0.0
					LAMB AND MUTTON									
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	0.07	0.0	0.74	0.74	0.96	0.0	1.26	1.26	-0.51	0.0	0.16	0.16
EURO THREE	0.0	0.0	-0.10	0.0	0.24	0.24	3.90	0.0	9.35	9.35	-0.17	0.0	-0.17	-0.17
OTHER W EUROPE	0.0	0.0	0.61	0.0	0.78	0.78	3.33	0.0	4.00	4.00	-0.00	0.0	0.16	0.16
JAPAN	0.0	0.0	0.0	0.0	4.54	4.54	0.0	0.0	2.62	2.62	0.0	0.0	3.43	3.43
AUST-N ZEALAND	0.0	0.0	2.18	0.0	1.63	1.63	91.43	0.0	38.65	38.65	0.41	0.0	-0.13	-0.13
ARGENTINA	0.0	0.0	0.18	0.0	1.68	1.68	6.44	0.0	6.03	6.03	-1.07	0.0	0.41	0.41

1985 ALTERNATIVE IV: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	6.95745	0.67165
CANADA	7.78910	0.58106
EURO SIX	4.20151	0.91865
EURO THREE	4.43227	1.04773
OTHER W EUROPE	5.68655	0.89600
JAPAN	6.15531	1.90097
AUST-N ZEALAND	1.08315	0.0
MIDDLE AMERICA	2.32411	0.68550
BRAZIL	4.57074	0.55217
ARGENTINA	1.65134	0.0
DEV-ED REGION	5.59315	0.82203
LESS DEV-ED RG	5.10992	0.97815
WORLD TOTAL	5.52734	0.84329

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

APRIL 1978

1985 ALTERNATIVE IV-A: TOTAL GRAIN

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
-- -- -- PERCENT PER ANNUM -- -- -- -- -- KILOGRAMS -- -- -- -- -- PERCENT PER ANNUM -- -- --																		
UNITED STATES	0.89	1.61	2.51	2.49	0.64	2.17	1326.34	866.55	155.31	1021.86	1.77	1.75	-0.09	1.44				
CANADA	0.32	2.31	2.64	3.16	1.45	2.61	1894.55	937.42	190.76	1128.18	1.18	1.70	-0.97	1.16				
EURO SIX	-0.51	2.16	1.65	3.06	0.71	2.18	445.22	357.46	177.42	534.89	1.06	2.47	0.13	1.59				
EURO THREE	0.65	0.85	1.51	1.67	-0.09	1.09	404.92	385.69	162.57	548.26	1.09	1.25	-0.50	0.68				
OTHER W EUROPE	-0.04	2.22	2.18	2.72	0.83	2.03	436.26	335.45	167.38	502.84	1.55	2.09	0.22	1.40				
SOUTH AFRICA	0.94	1.42	2.37	3.57	2.93	3.13	438.12	116.53	231.03	347.56	-0.57	0.59	-0.04	0.17				
JAPAN	-1.70	0.73	-0.98	7.53	0.89	3.80	89.31	224.51	173.56	398.07	-2.03	6.39	-0.18	2.70				
AUST-N ZEALAND	1.84	1.27	3.13	4.09	0.91	2.56	1197.11	257.14	185.96	443.10	1.34	2.28	-0.85	0.77				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.70	3.10	3.82	0.0	5.21	5.21	144.89	0.0	188.08	188.08	1.15	0.0	2.51	2.51				
EAST ASIA HIGH	0.05	2.19	2.24	4.73	2.40	2.75	181.29	56.30	270.82	327.12	0.29	2.73	0.44	0.78				
EAST ASIA LOW	1.30	4.37	5.73	0.0	3.35	3.69	195.61	8.85	173.90	182.75	2.37	0.0	0.07	0.40				
THAILAND	1.45	2.02	3.50	0.0	3.92	3.92	300.37	0.0	223.71	223.71	0.19	0.0	0.60	0.60				
OTHER SE ASIA	0.47	2.86	3.34	0.0	2.52	2.85	245.87	10.46	214.73	225.20	0.95	0.0	0.16	0.47				
INDIA	1.07	3.38	4.49	12.59	3.84	4.02	206.48	7.36	194.39	201.76	1.98	9.88	1.34	1.51				
OTHER S. ASIA	1.00	3.32	4.35	0.0	4.28	4.28	167.06	0.0	180.51	180.51	1.29	0.0	1.22	1.22				
N.AF.-WEST HIGH	0.85	4.32	5.21	5.45	5.00	5.02	208.45	18.26	275.11	293.37	1.92	2.16	1.72	1.74				
N.AF.-WEST LOW	0.49	3.38	3.88	2.79	2.73	2.74	289.58	39.37	258.89	298.26	1.01	-0.06	-0.12	-0.11				
CENTRAL AFRICA	0.0	0.0	1.75	0.0	3.14	3.14	30.84	0.0	43.46	43.46	-0.98	0.0	0.37	0.37				
EAST AFRICA	0.80	2.43	3.25	13.59	3.50	3.58	124.85	2.10	130.72	132.82	0.22	10.25	0.46	0.54				
MIDDLE AMERICA	0.76	3.77	4.56	3.95	3.83	3.85	246.71	44.55	194.23	238.78	1.42	0.82	0.70	0.72				
VENEZUELA	0.38	5.51	5.91	5.28	4.40	4.55	117.91	38.93	179.00	217.93	2.88	2.27	1.41	1.55				
BRAZIL	2.38	3.52	5.98	4.25	4.12	4.18	349.30	140.68	149.11	289.79	3.05	1.36	1.24	1.30				
ARGENTINA	1.47	1.05	2.53	1.84	0.64	1.24	950.25	232.02	214.02	446.03	1.25	0.57	-0.62	-0.03				
OTHER S AMERICA	1.17	3.30	4.50	3.47	3.88	3.81	143.38	28.80	141.50	170.30	1.70	0.69	1.09	1.03				

1985 ALTERNATIVE IV-A: COARSE GRAINS

APRIL 1978

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
PERCENT PER ANNUM																		
UNITED STATES	0.64	1.88	2.53	2.50	0.60	2.32	1056.24	828.89	72.17	901.06	1.79	1.76	-0.12	1.59				
CANADA	0.95	2.39	3.36	3.16	0.32	2.83	1090.38	801.53	85.74	887.27	1.90	1.70	-1.10	1.37				
EURO SIX	0.82	1.99	2.83	3.00	1.07	2.65	291.31	288.95	56.19	345.13	2.24	2.41	0.49	2.05				
EURO THREE	0.82	1.11	1.94	1.56	-0.07	1.23	330.58	313.88	69.55	383.43	1.52	1.15	-0.48	0.82				
OTHER W EUROPE	0.66	2.31	3.01	2.68	1.10	2.43	313.53	302.78	49.48	352.26	2.38	2.05	0.48	1.81				
SOUTH AFRICA	0.81	1.44	2.26	3.57	2.79	3.11	369.22	116.53	162.88	279.41	-0.68	0.59	-0.16	0.14				
JAPAN	-2.22	0.32	-1.91	7.53	2.29	6.87	4.44	224.51	21.41	245.92	-2.95	6.39	1.20	5.74				
AUST-N ZEALAND	2.01	1.44	3.48	4.10	0.94	3.20	453.49	183.35	56.91	240.26	1.68	2.29	-0.81	1.41				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	-0.13	5.82	5.68	0.0	5.39	5.39	35.30	0.0	29.76	29.76	2.96	0.0	2.68	2.68				
EAST ASIA HIGH	0.05	2.77	2.82	4.73	2.26	3.64	46.32	56.30	36.84	93.15	0.86	2.73	0.30	1.66				
EAST ASIA LOW	2.16	3.81	6.06	0.0	3.37	4.58	63.86	8.85	46.21	55.06	2.69	0.0	0.09	1.26				
THAILAND	2.74	1.84	4.63	0.0	5.79	5.79	63.59	0.0	8.08	8.08	1.29	0.0	2.41	2.41				
OTHER SE ASIA	0.0	0.0	9.59	0.0	2.63	17.52	14.91	10.46	1.58	12.04	7.06	0.0	0.26	14.80				
INDIA	0.44	3.08	3.54	12.59	2.41	3.21	50.44	7.36	42.99	50.35	1.04	9.88	-0.06	0.73				
OTHER S. ASIA	0.75	4.01	4.78	0.0	3.47	3.47	6.74	0.0	5.74	5.74	1.71	0.0	0.44	0.44				
N.AF.-WEST HIGH	0.27	3.26	3.54	5.45	4.38	4.65	37.54	18.26	51.48	69.74	0.31	2.16	1.12	1.38				
N.AF.-WEST LOW	-0.40	3.42	3.01	2.79	2.85	2.83	117.10	39.37	80.90	120.27	0.16	-0.06	0.00	-0.02				
CENTRAL AFRICA	0.0	0.0	1.25	0.0	0.0	1.25	13.04	0.0	13.04	13.04	-1.47	0.0	-1.47	-1.47				
EAST AFRICA	0.80	2.33	3.14	13.59	3.25	3.35	112.08	2.10	111.78	113.88	0.11	10.25	0.22	0.31				
MIDDLE AMERICA	0.82	3.87	4.72	3.95	3.50	3.61	206.98	43.19	135.55	178.74	1.56	0.82	0.59	0.49				
VENEZUELA	0.81	5.25	6.11	5.28	3.82	4.27	102.13	38.93	78.39	117.32	3.07	2.27	0.85	1.29				
BRAZIL	2.52	3.68	6.30	4.25	4.56	4.32	252.44	140.68	43.94	184.62	3.36	1.36	1.66	1.43				
ARGENTINA	1.59	0.72	2.32	1.84	0.07	1.52	633.99	232.02	44.60	276.62	1.04	0.57	-1.18	0.25				
OTHER S AMERICA	0.56	3.90	4.49	3.47	3.54	3.39	73.41	28.80	40.60	69.40	1.68	0.69	0.56	0.62				

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
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APRIL 1978

1985 ALTERNATIVE IV-A: OILMEAL

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION						PROJECTED PER CAPITA UTILIZATION						GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL				
															PERCENT PER ANNUM			KILOGRAMS
UNITED STATES	3.49	0.02	3.51	1.90	0.0	1.90	186.45	82.69	0.0	82.69	2.76	1.17	0.0	1.17				
CANADA	1.75	1.57	3.35	4.86	0.0	4.86	82.11	68.05	0.0	68.05	1.88	3.37	0.0	3.37				
EURO SIX	0.0	0.0	1.62	2.77	0.0	2.77	3.41	77.41	0.0	77.41	1.04	2.17	0.0	2.17				
EURO THREE	0.0	0.0	1.65	4.72	0.0	4.72	10.32	89.72	0.0	89.72	1.24	4.29	0.0	4.29				
OTHER W EUROPE	1.68	-0.88	0.78	3.14	0.0	3.14	13.37	52.19	0.0	52.19	0.17	2.51	0.0	2.51				
SOUTH AFRICA	0.0	0.0	1.99	3.57	0.0	3.57	27.85	21.78	0.0	21.78	-0.94	0.59	0.0	0.59				
JAPAN	0.0	0.0	1.44	6.81	-0.61	5.95	9.90	68.54	4.85	73.40	0.36	5.68	-1.66	4.83				
AUST-N ZEALAND	5.40	1.65	7.14	0.0	1.86	1.86	8.47	0.0	10.65	10.65	5.27	0.0	0.09	0.09				
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
INDONESIA	0.90	1.69	2.60	0.0	4.14	4.14	4.17	0.0	1.95	1.95	-0.04	0.0	1.46	1.46				
EAST ASIA HIGH	0.64	1.80	2.44	3.99	0.0	3.99	3.17	21.13	0.0	21.13	0.49	2.00	0.0	2.00				
EAST ASIA LOW	0.0	0.0	-3.33	0.0	0.0	0.0	6.59	0.0	0.0	0.0	-6.40	0.0	0.0	0.0				
INDIA	2.26	0.93	3.21	2.59	0.0	2.59	6.82	4.93	0.0	4.93	0.72	0.12	0.0	0.12				
N.AF.-M.EAST HIGH	0.0	0.0	0.0	4.25	0.0	4.25	0.0	6.21	0.0	6.21	0.0	0.99	0.0	0.99				
CENTRAL AFRICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
MIDDLE AMERICA	1.38	0.94	2.34	3.92	0.0	3.92	8.97	13.14	0.0	13.14	-0.74	0.79	0.0	0.79				
BRAZIL	17.47	-1.75	15.42	8.75	0.0	8.75	108.22	17.03	0.0	17.03	12.22	5.74	0.0	5.74				
ARGENTINA	1.88	0.53	2.42	0.0	1.27	1.27	50.82	9.0	10.07	10.07	1.14	0.0	0.01	0.01				
ARTHER S AMERICA	1.09	-0.11	0.98	3.26	0.0	3.26	45.76	5.94	0.0	5.94	-1.73	0.49	0.0	0.49				

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
	-- -- -- PERCENT PER ANNUM -- -- --				-- -- -- KILOGRAMS -- -- --				-- -- PERCENT PER ANNUM -- --					
MILK PRODUCTS														
FLUID MILK														
UNITED STATES	0.0	0.0	1.06	0.0	0.0	0.0	272.87	0.0	0.0	0.0	0.34	0.0	0.0	0.0
CANADA	0.0	0.0	1.61	0.0	0.0	0.0	403.98	0.0	0.0	0.0	0.17	0.0	0.0	0.0
EURO SIX	0.0	0.0	1.43	0.0	0.0	0.0	448.82	0.0	0.0	0.0	0.84	0.0	0.0	0.0
EURO THREE	0.0	0.0	0.42	0.0	0.0	0.0	328.12	0.0	0.0	0.0	0.01	0.0	0.0	0.0
OTHER W EUROPE	0.0	0.0	1.50	0.0	0.0	0.0	301.94	0.0	0.0	0.0	0.88	0.0	0.0	0.0
JAPAN	0.0	0.0	5.10	0.0	0.0	0.0	80.86	0.0	0.0	0.0	3.98	0.0	0.0	0.0
AUST-N ZEALAND	0.0	0.0	2.00	0.0	0.0	0.0	927.53	0.0	0.0	0.0	0.22	0.0	0.0	0.0
BUTTER														
UNITED STATES	0.0	0.0	1.41	0.0	1.62	1.62	2.79	0.0	2.79	2.79	0.68	0.0	0.89	0.89
CANADA	0.0	0.0	1.67	0.0	-0.17	-0.17	7.29	0.0	5.54	5.54	0.23	0.0	-1.58	-1.58
EURO SIX	0.0	0.0	0.93	0.0	1.27	1.27	7.25	0.0	7.05	7.05	0.35	0.0	0.68	0.68
EURO THREE	0.0	0.0	-0.60	0.0	-3.22	-3.22	3.72	0.0	5.11	5.11	-1.01	0.0	-3.62	-3.62
OTHER W EUROPE	0.0	0.0	-3.06	0.0	2.35	2.35	1.79	0.0	3.84	3.84	-3.65	0.0	1.72	1.72
JAPAN	0.0	0.0	0.0	0.0	7.31	7.31	-0.05	0.0	1.07	1.07	0.0	0.0	6.17	6.17
AUST-N ZEALAND	0.0	0.0	2.46	0.0	0.79	0.79	32.24	0.0	9.83	9.83	0.68	0.0	-0.96	-0.96
CHEESE														
UNITED STATES	0.0	0.0	2.81	0.0	2.72	2.72	6.59	0.0	6.97	6.97	2.07	0.0	1.98	1.98
CANADA	0.0	0.0	3.03	0.0	3.83	3.83	6.07	0.0	7.48	7.48	1.57	0.0	2.36	2.36
EURO SIX	0.0	0.0	2.62	0.0	2.51	2.51	13.37	0.0	12.96	12.96	2.03	0.0	1.92	1.92
EURO THREE	0.0	0.0	0.70	0.0	-2.42	-2.42	4.63	0.0	3.67	3.67	0.28	0.0	-2.82	-2.82
OTHER W EUROPE	0.0	0.0	3.40	0.0	4.02	4.02	7.95	0.0	7.43	7.43	2.77	0.0	3.38	3.38
JAPAN	0.0	0.0	9.25	0.0	9.72	9.72	0.30	0.0	1.41	1.41	8.09	0.0	8.56	8.56
AUST-N ZEALAND	0.0	0.0	0.38	0.0	3.93	3.93	9.45	0.0	5.37	5.37	-1.37	0.0	2.13	2.13

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
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	- - - - PERCENT PER ANNUM - - - -													
	- - - - - KILOGRAMS - - - - -													
	TOTAL MEAT													
UNITED STATES	0.0	0.0	1.98	0.0	1.54	1.54	124.54	0.0	120.62	120.62	1.24	0.0	0.81	0.81
CANADA	0.0	0.0	3.35	0.0	3.05	3.05	120.24	0.0	116.18	116.18	1.88	0.0	1.59	1.59
EURO SIX	0.0	0.0	2.77	0.0	2.98	2.98	85.13	0.0	90.65	90.65	2.18	0.0	2.38	2.38
EURO THREE	0.0	0.0	2.37	0.0	1.70	1.70	87.00	0.0	88.38	88.38	1.95	0.0	1.28	1.28
OTHER W EUROPE	0.0	0.0	3.10	0.0	3.73	3.73	59.03	0.0	69.94	69.94	2.46	0.0	3.10	3.10
JAPAN	0.0	0.0	8.23	0.0	9.04	9.04	36.42	0.0	48.30	48.30	7.08	0.0	7.89	7.89
AUST-N ZEALAND	0.0	0.0	2.93	0.0	1.46	1.46	237.45	0.0	100.82	100.82	1.14	0.0	-0.30	-0.30
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	4.80	0.0	5.80	5.80	19.14	0.0	19.25	19.25	1.65	0.0	2.62	2.62
BRAZIL	0.0	0.0	4.04	0.0	4.70	4.70	30.70	0.0	31.97	31.97	1.16	0.0	1.80	1.80
ARGENTINA	0.0	0.0	2.29	0.0	1.56	1.56	139.85	0.0	95.87	95.87	1.01	0.0	0.29	0.29

BEEF AND VEAL														
UNITED STATES	0.0	0.0	2.01	0.0	1.57	1.57	59.44	0.0	59.66	59.66	1.28	0.0	0.83	0.83
CANADA	0.0	0.0	3.83	0.0	3.34	3.34	59.45	0.0	57.35	57.35	2.36	0.0	1.88	1.88
EURO SIX	0.0	0.0	2.10	0.0	2.90	2.90	29.39	0.0	36.13	36.13	1.51	0.0	2.31	2.31
EURO THREE	0.0	0.0	3.16	0.0	1.20	1.20	31.56	0.0	27.01	27.01	2.74	0.0	0.79	0.79
OTHER W EUROPE	0.0	0.0	3.14	0.0	3.94	3.94	18.73	0.0	24.84	24.84	2.51	0.0	3.31	3.31
JAPAN	0.0	0.0	9.13	0.0	11.89	11.89	7.60	0.0	12.91	12.91	7.97	0.0	10.70	10.70
AUST-N ZEALAND	0.0	0.0	3.62	0.0	2.72	2.72	118.43	0.0	49.06	49.06	1.82	0.0	0.93	0.93
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	5.14	0.0	5.89	5.89	14.35	0.0	13.09	13.09	1.98	0.0	2.70	2.70
BRAZIL	0.0	0.0	4.03	0.0	4.91	4.91	22.98	0.0	24.27	24.27	1.15	0.0	2.01	2.01
ARGENTINA	0.0	0.0	2.44	0.0	1.50	1.50	123.24	0.0	79.95	79.95	1.16	0.0	0.23	0.23

REGION	GROWTH RATES OF PROJECTED TOTAL UTILIZATION				PROJECTED PER CAPITA UTILIZATION				GROWTH RATES OF PER CAPITA UTILIZATION					
	AREA	YIELD	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL	PROD	FEED	FOOD	TOTAL
- - - - - PERCENT PER ANNUM - - - - -														
- - - - - KILOGRAMS - - - - -														
- - - - - PERCENT PER ANNUM - -														
PORK														
UNITED STATES	0.0	0.0	1.17	0.0	0.43	0.43	32.45	0.0	29.53	29.53	0.44	0.0	-0.29	-0.29
CANADA	0.0	0.0	2.00	0.0	1.72	1.72	31.04	0.0	29.15	29.15	0.55	0.0	0.28	0.28
EURO SIX	0.0	0.0	2.58	0.0	2.42	2.42	36.16	0.0	34.88	34.88	1.99	0.0	1.83	1.83
EURO THREE	0.0	0.0	2.11	0.0	2.14	2.14	37.30	0.0	37.73	37.73	1.69	0.0	1.72	1.72
OTHER W EUROPE	0.0	0.0	2.35	0.0	3.23	3.23	23.53	0.0	26.61	26.61	1.73	0.0	2.60	2.60
JAPAN	0.0	0.0	9.05	0.0	9.98	9.98	19.03	0.0	22.68	22.68	7.89	0.0	8.81	8.81
AUST-N ZEALAND	0.0	0.0	1.55	0.0	1.55	1.55	13.40	0.0	13.09	13.09	-0.21	0.0	-0.21	-0.21
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIDDLE AMERICA	0.0	0.0	3.87	0.0	5.62	5.62	4.79	0.0	6.16	6.16	0.74	0.0	2.45	2.45
BRAZIL	0.0	0.0	4.08	0.0	4.08	4.08	7.72	0.0	7.70	7.70	1.20	0.0	1.20	1.20
ARGENTINA	0.0	0.0	1.98	0.0	1.98	1.98	10.17	0.0	9.90	9.90	0.71	0.0	0.71	0.71
POULTRY														
UNITED STATES	0.0	0.0	3.19	0.0	3.19	3.19	32.66	0.0	31.42	31.42	2.44	0.0	2.44	2.44
CANADA	0.0	0.0	4.02	0.0	4.02	4.02	29.75	0.0	29.68	29.68	2.55	0.0	2.55	2.55
EURO SIX	0.0	0.0	4.69	0.0	4.61	4.61	18.62	0.0	18.38	18.38	4.09	0.0	4.01	4.01
EURO THREE	0.0	0.0	2.26	0.0	2.72	2.72	14.23	0.0	14.31	14.31	1.84	0.0	2.30	2.30
OTHER W EUROPE	0.0	0.0	5.60	0.0	5.60	5.60	13.44	0.0	14.50	14.50	4.95	0.0	4.95	4.95
JAPAN	0.0	0.0	6.37	0.0	6.37	6.37	9.80	0.0	10.09	10.09	5.24	0.0	5.24	5.24
AUST-N ZEALAND	0.0	0.0	4.22	0.0	0.0	0.0	14.26	0.0	0.0	0.0	2.40	0.0	0.0	0.0
LAMB AND MUTTON														
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	0.07	0.0	0.73	0.73	0.96	0.0	1.26	1.26	-0.51	0.0	0.15	0.15
EURO THREE	0.0	0.0	-0.09	0.0	0.22	0.22	3.91	0.0	9.33	9.33	-0.50	0.0	-0.19	-0.19
OTHER W EUROPE	0.0	0.0	0.60	0.0	0.77	0.77	3.32	0.0	3.99	3.99	-0.02	0.0	0.15	0.15
JAPAN	0.0	0.0	0.0	0.0	4.55	4.55	0.0	0.0	2.62	2.62	0.0	0.0	3.44	3.44
AUST-N ZEALAND	0.0	0.0	2.18	0.0	1.64	1.64	91.35	0.0	38.68	38.68	0.40	0.0	-0.13	-0.13
ARGENTINA	0.0	0.0	0.17	0.0	1.68	1.68	6.44	0.0	6.03	6.03	-1.08	0.0	0.41	0.41

1985 ALTERNATIVE IV-A: FEED-MEAT RATIOS

REGION	GRAINS	OILMEAL
UNITED STATES	6.95804	0.66396
CANADA	7.79594	0.56593
EURO SIX	4.19905	0.90936
EURO THREE	4.43318	1.03123
OTHER W EUROPE	5.68310	0.88417
JAPAN	6.16367	1.88176
AUST-N ZEALAND	1.08294	0.0
MIDDLE AMERICA	2.32770	0.68663
BRAZIL	4.58307	0.55488
ARGENTINA	1.65900	0.0
DEV-ED REGION	5.59454	0.81251
LESS DEV-ED RG	5.16387	0.98321
WORLD TOTAL	5.53610	0.83567

SOURCE: FOR GRAIN, RATIO OF FEED USAGE OF TOTAL GRAIN TO TOTAL MEAT PRODUCTION; FOR MEAL, RATIO OF USAGE OF OILMEAL TO TOTAL MEAT PRODUCTION.

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
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AGR 101
THIRD CLASS

